CHEMIST AND DRUGGIST

RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 23, 1950

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CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

DECEMBER 23, 1950

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NEWS OF THE WEEK

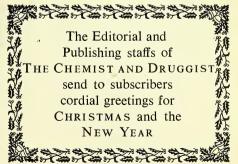
D.D.A. Authorities Restored. — The retary of State has restored to Chandra khar Jagannath Dan De Kar, M.S.S.A., London, the authorities nted by the Regulations made under Dangerous Drugs Act, 1920.

Wages in Co-operative Pharmacies.—
e National Wages Board and the Union
Shop, Distributive and Allied Workers
re unable to reach a settlement on inases for co-operative society pharmacy
ployees when they met in Manchester
ently. The union held that an offer
viously made to all co-operative shop
rkers was inadequate for the pharmacy
e and handicapped societies in obtainsuitable qualified personnel. The matwill now go to the Industrial Court or
National Arbitration Tribunal.

Disposal of Surplus Equipment.—The nistry of Health, in a letter to local horities which had hospitals in the ergency Hospital Scheme during the r, asks for a list of medical and surgiequipment still held by them which

remains Government property. The letter adds that drugs are unlikely to be of further use and may be destroyed under the supervision of the medical officer of health, except where he is of opinion that they still have a useful life, in which case they should be included in the list.

Census of Distribution for 1950. — The Census of Distribution (1951) (Scope, Returns and Exempted Persons) Order,



1950, operative from December 30, indicates the scope of the census of distribution to be taken in 1951.

Whitley Council Decisions.—The General Whitley Council have agreed that employees who are candidates for other posts in the National Health Service and called for interview should granted "reasonable facilities" in matter of special leave to attend. It is left to the discretion of the employing authority whether the leave granted is with or without pay. The Council have also agreed to recommend that no woman should be disqualified from obtaining employment in the Service simply by reason of marriage.

Drug Tariff Specifications. — A statement issued by the National Pharmaceutical Union states that following renewed representations to the Ministry of Health, the sizes of zinc oxide plaster, B.P.C., that can be supplied on ECro forms have been extended, as shown below:—

Allowable: ½ in. x 1 yd.; 1 in. x 1 yd.; 2 in. x 1 yd.; ½ in. x 5 yd.; 1 in. x 5 yd. The 1 yd. length is to be supplied unless 5 yd. is specifically ordered. Non-allowable: ½ in. x 10 yd.; 1 in. x 10 yd.; 2 in. x 5 yd.; 2 in. x 10 yd.; any length wider than 2 in. Umbilical trusses (belts) for infants can also be supplied, but face masks with "inhalers" can only be supplied where proprietary make (total inclusive net cost not exceeding 15s.) is specifically ordered. Replacement face masks are not allowed except where inhaler and face mask together do not exceed 15s. net cost.

LOCAL NEWS

Works Fire.—A fire occurred in the premises of Skuse & Co., Ltd., manufacturing chemists, 839 Harrow Road, London, N.W.10, during the early hours of December 20.

Thanet Dinner and Dance.—The Isle of Thanet branch of the Pharmaceutical Society held a dinner and dance at Margate on November 24 when the chief guest was Mr. D. W. Hudson, Hove.

Photographic Goods Stolen.—Cameras and expensive photographic equipment to a value of about £700 were stolen in the early hours of December 9 from the pharmacy of Mr. W. Cowen, M.P.S., Keswick, when thieves smashed the window in which they were on show.

Tribute to Woman President. — Prizes were presented at the annual dinner of the

Blackpool branch of the Pharmaceut Society held in Blackpool recently by branch's first woman president (Miss I Anderson). Mr. A. Greenwood (vice-pident), who proposed a toast to Miss An son, said that he regarded the election a woman president as a progressive act He paid tribute to her work for the bran Miss Anderson was presented with a of Doulton figures in appreciation of year of office, and she presented a ma clock to Mr. Greenwood to mark his thy years as secretary. The toast, "The V tors and Ladies," was proposed by J. C. Shenton.

Analysts Fail to Agree.—A report five tablets tested by the analyst to Pharmaceutical Service Committee of London Executive Council failed to di tegrate after the specified interval of th minutes was investigated by the Cou on November 6. The tablets (phenoba tone, gr. 1/2) remained almost intact. chemist's analysts said that the parti that remained were dispersible (with force) by touching. The Government of mist, who analysed the third portion, ted that "slight force" had to be app for complete disintegration. The chem suppliers stated that precautions w taken during manufacture to ensure t the tablets were of the proper qual They suggested that the tablets had b affected by varying atmospheric conditi possibly due to the container being The Council decided to take further action.

Test Prescription "Elegance." case of a Northamptonshire firm of chi ists who were stated to have dispense prescription "too elegantly" was broubefore the Northamptonshire Execu Council on a report from the Pharmac tical Services Committee. An analysis prescription for mist, sod, chlor. N.F., showed deficiencies of 15.4 per co of sodium bicarbonate and 6.2 per ce of sodium chloride. The firm submit a written statement saying that the mixt was dispensed by an unqualified assista Being cloudy, it was strained through of ton wool which produced a brighter n ture but took out the undissolved part the sodium bicarbonate. The cotton w also absorbed some of the mixture and assistant "topped-up" from the tap. error was therefore caused not by inacc ate dispensing but by trying to be elegant. After a consideration of the c the Pharmaceutical Services Commit



DINBURGH PRESENTATION.—Miss J. M. Brew, Queen's Crescent, Edinburgh, being presented a gold watch and cheque by Mr. F. W. M. nett (chairman, Pharmaceutical General Council, land), in recognition of her forty-two years' ice with the Pharmaceutical Society at 36 York e, Edinburgh.

nd that the test prescription had been ccurately dispensed and that the error ald have been avoided by further superon: they recommended that the firm ald be cautioned.

Price Protection and the Chemist. eaking on "The Danger to Price Protion" on November 28 to the Ilford, rking and West Essex Branch of the tional Pharmaceutical Union, Mr. H. E. apman (secretary, Proprietary Articles ade Association, and chairman, Fair Pri-Defence Committee), reviewed the conions that had led to the initiation and velopment of the price-maintenance sysn in pharmacy, its adoption by other tributive trades, and the present posin. The Lloyd Jacob Committee, appoint by Sir Stafford Cripps, had recomended that collective price maintenance e., the P.A.T.A. system) should be made gal. The Government had endorsed the ommendation. The Fair Prices Defence mmittee had told the Government that claimed to speak on behalf of 350,000 anufacturers, wholesalers and retailers, ploying over 2,000,000 workers. sentations made on behalf of such a numr of affected interests were likely to rry more weight than those made on belf of any one particular trade. Many emists, he said, were so preoccupied with spensing that they showed a tendency to erlook the importance of ensuring that e other side of their business, the sale of ods, was maintained on its present sound onomic basis. It was obvious that, if price maintenance were abolished, the average protected margin of 25-30 per cent. on the major portion of the chemists' turnover — the sale of proprietary and branded goods—would be reduced. As the overhead expenses were approximately 21-22 per cent., the chemist would be unable to carry on the less profitable dispensing side of his business without financial anxiety.

IRISH NEWS

Irish Students Association Officers.—The following are the newly appointed officers of the Irish Pharmaceutical Students' Association:—President, Mr. P. O'Brien; Secretary, Mr. L. Hyland; Assistant Secretary, Mr. J. Cahill; Treasurer, Miss R. Murphy. It has been decided that during the forthcoming year a monthly bulletin of topical interest will be issued to members of the Association.

Examination Results.—The following candidates passed the final Qualifying examination Part II of the Pharmaceutical Society of Northern Ireland held in December:—Anderson, Noel H.; Campbell, Patrick J.; Cregan, Richard E.; Colhoun, Violet P.; Dillon, Robert E.; Fox, Dermot J.; Gordon, John C.; Jackson, Francis J. I.; Kelly, Harold R.; Madden, Hilda C.; Marshall, Jas. I. V.; Morley, Jas. E.; Murray, Daniel; McCallen, Bridget M.; McColgan, James E.; McDaid, Thomas E.; O'Reilly, Kevan; Porter, Maurice V.; Quinn, Aileen D.; Richardson, Sydney G.; Ruddock, Richard L.; Smith, Evelyn M.

Golfing Society's Annual Meeting. -The twenty-fourth annual meeting of the Irish Chemists' Golfing Society was held on December 1, the captain (Mr. T. J. Lynch) in the chair. The reports of the treasurer (Mr. J. J. Roche) and secretary (Mr. P. H. Fahey) were unanimously adopted. The captain reviewed the year's activities and thanked members for excellent attendances at the various outings. John Draffin was unanimously elected Captain for the year, and Messrs. Roche and Fahey were re-elected Treasurer and Secretary respectively. Mr. Draffin returned thanks for his election, and votes of thanks were passed to the outgoing captain, treasurer and secretary, to the donors of prizes, and to the pharmaceutical Press, for help given to the Society during the year. It was agreed to hold the 1951 three-day outing at Rosslare, co. Wexford, towards the end of May.

ENGLISH TITLES FOR THE B.P.

THE report of the British Pharmacopæia Commission submitted to a meeting of the General Medical Council recently stated that the Commission had reviewed the use of Latin titles for British Pharmacopæia monographs and had unanimously agreed that main titles for the 1953 Pharmacopœia should be stated in English. Commission proposed that Latin titles formerly used should be retained as synonyms, but that Latin titles should not be coined for new monographs. It proposed to alter the sequence of the monographs by placing preparations such as tablets, injections and tinctures immediately after the parent substance instead of grouping the preparations on a pharmaceutical basis, such as tabellæ, injectiones, and tincturæ. The Commission was of the opinion that the monographs in the Addendum shortly to be published dealing with preparations of human blood should appear as a separate section, with titles in English. No useful

purpose would be served by inventing La in titles for those monographs,

Proofs of draft monographs and appedices for the B.P. Addendum had be circulated for comment to members of tvarious subcommittees and to the reconsed bodies in Australia, Canada, No Zealand and South Africa.

Sales of the British Pharmacopæia, 194 had totalled 38,864 copies.

A meeting had been held with representatives of the British Pharmaceutic Codex Revision Committee to review to general relationship between the British Pharmacopoia and the British Pharmacopoia and the British Pharmaceutical Codex. It was agreed that the sty followed by the British Pharmaceutical Codex, 1949, in the treatment of substance and preparations of the B.P. was satisfatory and that the interchange of processing the process of the substance and preparations of the B.P. was satisfatory and that the interchange of processing the process of the substance of the substance and preparations of the B.P. was satisfatory and that the interchange of processing the substance of t

NORTHERN IRELAND HEALTH SERVICES

The results of a recent investigation by the Northern Ireland General Health Services Board showed that the average doctor's prescribing costs for all Health Service patients in Northern Ireland in August 1949 was 18, 7d. In seven cases where the average varied from 38, 3d. to 58, 10d, the General Health Services Board decided that the doctors should be interviewed by the medical adviser and required to reduce their prescribing costs forthwith. In another case it was reported that one book of prescriptions had apparently been written by a chemist and signed by a doctor. A revised prescription form with an extra 12 in. depth for writing and made up in gummed pads of 100 has been approved.

Excessive Prescribing

At a meeting recently, the Board considered a case of apparently excessive prescribing of cod-liver oil and malt and as there appeared to be reasonable grounds for suspecting the existence of a conspiracy for the purpose of obtaining supplies for other than medical purposes decided to place the facts before the Crown Solicitor for investigation. It was further agreed that the Board's pharmacist should produce reports on the prescribing of the doctors concerned for submission to the central medical committee.

Papers in a case of unauthorised add tions to prescription forms have been su mitted to the Attorney-General and the case of a chemist in Londonderry who w alleged to have obstructed an agent of t Board engaged on a drug test was referre to the Services Committee for investig tion. Tuberculin patch tests have been he to be of value and the Medical Adviso Committee recommended that payme should if possible be made by the Boar It was reported that the action of the Ministry of Health in omitting Artane fro the list of drugs and preparations for which doctors receive special payment was to raised by the British Medical Associatio A deduction of 264 guineas was ordered be made from the remuneration of a do tor for a breach of the regulations in iss ing to patients prescriptions which, accoring to the terms of the Service, he shou have dispensed himself.

N.H.S. REPORT

West Sussex. — Prescriptions dispense during year ended December 31, 194 1,194,694; number of forms, 781,98; remuneration paid (a) for ingredient £154,501; (b) for dispensing, £58,79; (c) for containers, £10,351; rota fee £2,777.

TOPICAL REFLECTIONS

ualifying the Unqualified

Your correspondent "B.Pharm., Ph.C." rows down a gage (p. 693) which will, I spect, be taken up by other pharmacists. ncy of qualified and unqualified assistants 'his question of the comparative effici-1 a shop is not new. More than once I ave heard an owner of a retail business ly that he was ready to pay an unquali-ed man a higher salary than he would ay a qualified man, if the unqualified as worth it. The possession of a diploma fter an examination is a proof that the wner has been through the requisite course r courses and has satisfied the examiners. t is not a proof of having mastered the nousand-and-one collateral details that o to the making of a successful chemist in usiness. The fact that the Pharmaceucal Society has again revised its examinaon requirements (p. 689) suggests that oncern is felt at the existence of anomaes. In theory, the Society's present curriulum should ensure that newly registered harmacists have a good all-round knowdge of everything that is most important or them to know. But have they? In any ase, the present shortage of man-power in harmacy cannot be cured very quickly. would be easy to criticise your corresondent's logic when he (or she) urges that nqualified assistants, having served an pprenticeship and having had from fifteen twenty years' experience, should be offially recognised: such recognition would e a qualification of a kind. Already, howver, much subordinate work preparatory dispensing is, by all accounts, entrusted nder supervision to assistants other than harmacists; and I would prefer to see his custom put on a more formal basis.

upplies of Camphor

Any experiment likely to result in an acrease in camphor-yielding trees is wellome, and one can only hope that the ttempt in this direction reported from India (p. 670) will be successful. In an article on camphor in the C. & D., 1925. I. 03, it was mentioned that about 75 per ent. of the world's supplies came from ormosa, and that three provinces of China mished most of the remaining 25 per ent. Small quantities were obtained from rench Indo-China, the Straits Settlements, and and the Dutch East Indies. Systemtic efforts to cultivate the trees on a comercial scale were then being made in

Ceylon. The process of obtaining camphor was more or less crude: I suppose it still As might have been expected, the United States was the principal buyer. The celluloid industry was the largest consumer: in the U.S.A. about 80 per cent, of the quantity imported was sold for the manufacture of films and other articles made of celluloid. Smokeless powder, varnishes and fireworks accounted for a considerable consumption, leaving pharmaceutical use in the "also ran" class. the Synthetic camphor, the subject of several patents, is optically inactive, in contradistinction to the natural product, Turpentine is the starting point of most, if not of all, processes of manufacture.

Destiny of a Museum

It is sincerely to be hoped that the negotiations for the transfer of the museum of the Liverpool Chemists' Association to the City Technical College of Liverpool (p. 678) will be successful. This country is not too well supplied with collections of materia medica. An illustrated article in your Annual Special Issue of June 26, 1937, gave an attractive account of three such collections now in the Museum of the History of Science in Oxford. The earliest of them dates from about 1700, the next from about 1720, and the third from about 1729. The first, the Dyer collection, is the oldest of its kind in the country and possibly in the world. The second, the Pointer collection, has encountered vicissitudes but has survived in its entirety. The third collection was formed by Joseph Clutton, a chemist and apothecary in Holborn, London. In 1736 Clutton distinguished himself by the issue of a folio sheet (covered on both sides with small print) and of an octavo pamphlet, both containing a searching discusion of the claims made for the proprietary medicines devised by famous Joshua Ward. It is satisfactory to know that this collection of materia medica, made to the order of a certain Thomas Jobber, has found its way to a department of our oldest university. In 1941 Mr. E. Saville Peck, happily still with us, gave a delightful lecture at a London meeting of the Pharmaceutical Society on three corresnonding collections at Cambridge, those of Vigani at Oueen's College, of Addenbrooke at St. Catherine's, and of Heberden at St. John's. The value of such treasures increases with age.

NEW COMPANIES

HOLEX (LONDON), LTD. (P.C.).—Capital £100. To carry on the business of manufacturing, dispensing chemists and druggists, etc. Marcus Dann, director. R.O.: 50 Victorian Road, London, N.16.

A. W. Munns & Co., Ltd. (P.C.).—Capital £25,000. To carry on the business of manufacturers, distillers, importers and exporters of and dealers in perfumes, oils, essences, etc. First directors are not named. Solicitors: Freshfields, I Bank Buildings, Princes Street, London, E.C.2.

SHAWYER & BLAKE (MOREDON), LTD. (P.C.).—Capital £100. To carry on at Moredon, Swindon, Wilts, or elsewhere, the business, either by wholesale or retail, of chemists druggists and photographers, etc. Arthur J. Shawyer, M.P.S., Arthur M. Blake, M.P.S., Robert O. Lewis, M.P.S., directors, R.O.: 63 Cricklade Street, Swindon.

Potters Hygienic Products (London), Ltd. (P.C.).—Capital £50,000. To manufacture and acquire for resale all classes or kinds of polishes, cleaners, chemicals, varnishes and stains for pharmaceutical and general purposes, etc. Carleton R. Potter, Murray M. Potter, Henry Flack, William F. Chapman and George M. Catanach, directors. R.O.: 81 High Street, Great Dunmow, Essex.

Company News

DISTILLERS Co., LTD.—The interim dividend has been raised to 6½ per cent. against 5 per cent. a year ago.

IMPERIAL CHEMICAL INDUSTRIES, LTD.— Lord McGowan (chairman) is to resign from the board at the year end, for health reasons. He will be succeeded as chairman by Mr. John Rogers, who has been deputy chairman since 1940.

ALWITT TRADING CO., LTD., 172 Bishopsgate, London, E.C.2.—The company has recently increased its capital to £21,000 which has been fully paid up. Messrs. E. R. Greene, H. J. L. Osbourn and A. W. Schiff have been appointed directors.

MITCHELL COTTS & Co., LTD.—Group profit for the year ended June 30, after tax deductions, amounted to £370,000 (against £332,060 in the previous year). Taxation totalled £505,000 (£440,000). A second interim dividend of 15 per cent. maintains the distribution for the year at 25 per cent.

ALBRIGHT & WILSON, LTD.—Followi High Court approval to the variation the rights of the original 6 per ceroriginal preference shares, the issue of 6 5s. ordinary stock for each 5s. stock he agreed to at a meeting on September 1 can now be effected. The new stock wrank equally with existing ordinary stofor the final dividend payable in respe of the year ending December 31, 1950.

LEGAL REPORTS

Pharmacy Act Fines.—At St. Clea Carmarthens, magistrates' court on Deceiber 1, Eric Jones, the Post Office, Larharne, was fined £1 on each of five chargunder the Pharmacy and Poisons A 1933, plus £3 3s. costs.

Poisons Sale While Unregistered.—Croydon magistrates' court recently Les Albert Horace Marshall, High Stre South Norwood, was fined £1, with £4, costs, on charges of selling strychnine compound syrup of hypophosphites) wh not an authorised seller of poisons a from unregistered premises. It was d closed that Marshall's name had been moved from the register of chemists a druggists for non-payment of fees. Lat his name had been restored to the regist

Sunday Trading Offence.—Biorex La oratories, Ltd., described as chemists, Exmouth Market, London, E.C.1, plead guilty at Clerkenwell magistrates' court November 28 to selling a packet Mothaks on Sunday, October 15. For t defendants, a solicitor said that the cromer had come in for some medicine at then asked for the Mothaks. The assista knew that he could not serve her with and told her so. She made such a fu however, that he eventually gave way. fine of 5s., with 10s. 6d. costs, was impose

Morphine from Matron's Cupboard. At Conway, Carnarvonshire, recently, I Maureen Cecilia Gore-Grimes, a locum Pendyffrin Hall Sanatorium, Penmae mawr, pleaded guilty to procuring 2 morphine sulphate and diamorphine talets and failing to keep a register of 1 tablets obtained from a London firm chemists. It was stated at the hearing the detectives investigating the disappearan of the drugs treated a container with chemical that left stains on the hands. S was discharged on condition that she a turned to a hospital at which she had toome a yoluntary patient,

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

HE MINISTER OF SUPPLY (Mr. G. R. rauss) announced on December 15 that no was to be the subject of a Government location system in January 1951. The stem as introduced then would probably to be as extensive or as effective as the overnment would be later able to get it. e had better news about sulphur. An stalment of 20,000 tons for manufacture sulphuric acid would be shipped in muary, and an emergency consignment 7,500 tons during December.

Iternative Sources of Sulphur

MR. HAROLD DAVIES asked the President the Board of Trade on December 11 hat alternative sources of sulphur supplies ere being sought, and what preparations ere being made for its manufacture from her raw materials. Mr. H. Rhodes (Parmentary Secretary) replied that in the st two years a special investigation had en conducted into the possible existence crude sulphur deposits in the Colonies. eports of deposits elsewhere in the Comonwealth and in foreign countries had so been followed up, but no workable posits had been revealed. Processes for e extraction of sulphur from sulphuraring materials such as pyrites and spent ide were being reconsidered.

On December 14 Mr. G. R. CHETWYND ked what action was being taken to aintain supplies for industrial purposes view of the proposed cut in shipments om the United States, MR. WILSON reied: All known alternative sources of lphur are being investigated, but on prent information it is unlikely that they ill afford any substantial contribution to ur requirements. In consultation with e industry I am considering plans for e extended use of other sulphur-bearing aterials both in acid production and for e extraction of crude sulphur. HETWYND asked whether those measures cluded the development of supplies at ome? "Is the Minister aware of the rge deposits of pyrites in the area of ees-side, and is he taking any action to t greater supplies of sulphur and suljuric acid from that source? Mr. Wil-N: "Yes, very much so."

rading Margins

MR. G. R. STRAUSS told SIR RICHARD CLAND on December 11 that during the

twelve months ended December 1, his Department had received forty applications for an increase in maximum prices or trading margins. Twenty-six had been agreed in full, six in modified form, one had been rejected and seven were still being considered.

Token Imports Increase

MR. HAROLD WILSON (President of the Board of Trade) told MR. A. EDWARD DAVIES on December 13 that the Government had decided that the Token Import Scheme should be continued in 1951 for the same countries and the same commodities as in 1950. The Token Import quota would, however, be increased from 20 per cent, to 40 per cent, by value of each individual manufacturer's trade with the United Kingdom in 1936-38 in the commodity in question. Certain administrative easements would also be introduced.

Insulin Industry Investigation

Mr. Wilson announced on December 14 that one of two new references to the Monopolies Commission made on December 12 was to the supply of insulin. The Commission would investigate and report on whether conditions to which the Act applies in fact prevailed. He had decided to increase the membership of the Monopolies Commission from eight to the statutory maximum of ten. The changes would have the advantage of making it easier to proceed simultaneously with the different inquiries. The Commission hoped to be able to make four further reports by the end of 1951, thereby completing the original six, and to make a start on two or three further cases.

Shops Act Amendment

When Mr. W. B. Padley asked the Home Secretary on December 14 when he expected to introduce legislation to amend the Shops Act, Mr. J. Chutter Ede replied that he was not able to say when it would be practicable to introduce such legislation. Mr. Padley asked if he was aware that it was now nearly four years since the Gower Committee had reported on desirable amendments to that legislation, and Mr. Ede replied: "I have been having discussions with the interests concerned. A measure has been brought forward for the consolidation of the law...

and I hope that it may be possible to deal with this matter."

Excessive Prescribing

MR, N. S. SHEPHERD asked the Minister of Health on December 14 if he had made inquiries into the extent to which quantities of medicine, etc., were supplied to National Health Service patients in excess of their real needs, and what instruction he had issued in the matter. MR. A. BLENKINSOP (Parliamentary Secretary) replied: Investigations are proceeding in a number of cases. If doctors are thought to have prescribed medicine in excess of what is reasonably necessary, the case is referred to the local medical committee.

Chemist-contractors' Profits

MR. E. H. KEELING asked the Minister of Health if he would estimate the average net profits made by chemists in the year ended March 31 out of the average earnings per pharmacy of £2,244. MR. BLENKINSOP replied that the Minister could not estimate the net profits, but about £1,153 of the £2,244 was paid in respect of the cost of drugs and containers. The remaining £1,091 included the appropriate proportion of overheads and wages.

MR. KEELING: Is the Minister aware that some newspapers quoted this figure of £2,244, which was based on a statement by his Department to the Committee on Public Accounts, as if it were net profits? Would it not be better if, in future, his Department used the expression "gross receipts" instead of "earnings"? MR. BLENKINSOP: I appreciate the fact that there has been a misinterpretation of the figures submitted to this Committee and I am grateful for this opportunity to rectify it.

BUSINESS CHANGES

The telephone numbers of the depôts of A. R. Sumner & Co., Ltd., are Liverpool 6644 and Cardiff 3147.

GEORGE SALTER & Co., LTD., West Bromwich, have appointed Mr. R. L. Eccleston as publicity manager.

THE name of A. & F. Pears (Overseas), Ltd., 59 Park Royal Road, London, N.W.10, was changed recently to Pepsodent (Sales), Ltd.

The name of Anglo-American Cosmetic Laboratories Ltd., 128 Baker Street, London, W.I, was changed recently to Roberts Anglo-American Sales Co., Ltd.

PERSONALITIES

Dr. J. E. McCarthy has been electe governor of the Apothecaries' Hall of Ire land for 1950-51.

Professor E. D. Adrian, O.M., M.A M.D., M.R.C.P., has been elected Presiden of the Royal Society. He has held th

Foulerton research professorship of the Royal Society and is professor of physiology in the University of Cambridge, where, except for hospital work as a student, and service in the first world war, he has worked since his student days. For work in the field of neurophysiology he was awarded the Nobel prize medicine in 1932.



Professor Adrian

He was awarded the Order of Merit i 1942. Sir Cyril Hinshelwood (Dr. Lee professor chemistry, University of Oxforchas been elected foreign secretary of th Society in succession to Professor Adriar and Professor R. P. Linstead, C.B.E. (professor of organic chemistry at Imperia College of Science and Technology, Lordon), has been elected a member of counci

MR. J. A. DONAGHY, M.P.S.N.I., Bally mena, has been appointed to the panel of law members of juvenile courts for co-Antrim.

MR. CHARLES H. CRAWSHAW, M.P.S. Birkenhead, has been appointed a magistrate. He is treasurer of Birkenhead an Wirral Pharmacists' Association.

MR. H. H. MOORHOUSE, M.P.S., he been installed worshipful master of Bi pham-with-Norbreck Masonic lodge, No. 4731, Blackpool.

MR. NORMAN N. DUTTON, M.P.S., chair man of Cheers & Hopley, Ltd., chemist Chester, was presented with a silver tar kard on December 14 in recognition of his fifty years' service with the company.

DR. E. C. KENDALL, Mayo Foundation U.S.A., has been awarded the medal of honour of the Canadian Pharmaceutica Manufacturers' Association in recognition of his "outstanding work in the discover and development of cortisone."

DEATHS

ADCOCK. — On December 7, Mr. Herert Dickson Adcock, M.P.S., 53 High treet, Alcester, Warwicks, aged eightyven.

ALLAN.—On December 3, Mr. Richard irrell Carruthers Allan, M.P.S., 15 Granlle Terrace, Edinburgh, Mr. Allan qualied in 1901. The funeral service was held Warriston Crematorium on December 6.

BEAUVERD.—On November 21, Mr. David constant Beauverd, Ph.C., 22 Croydon toad, Beddington, Surrey, aged sixty-eight. Ir. Beauverd qualified as a chemist and ruggist in 1906 and as a pharmaceutical hemist in 1908.

Bell. — On December 7, Mr. Samuel ell, M.P.S.I., M.P.S.N.I., proprietor of the Medical Hall, Ballynahinch, co. Down, forthern Ireland. Mr. Bell was enrolled a pharmaceutical chemist under the harmaceutical Society of Ireland in 1900, and as a registered druggist with the forthern Society in 1926.

BRAY. — At 222 Paisley Road West, Tasgow, on November 29, Mr. James eorge Bray, M.P.S. Mr. Bray collapsed hile closing his shop to go to lunch, and ied. He qualified in 1908.

CARTWRIGHT. — At 15 Scott Crescent, lalashiels, on November 29, Mr. Benjamin artwright, M.P.S., aged eighty-six. Mr. artwright qualified in 1887.

CHEETHAM. — On November 29, Mr. homas Harold Cheetham, M.P.S., 26 The onnen, Cleadon Park, South Shields, aged xty-eight.

CLARK.—On October 18, Mr. Henry urton Clark, M.P.S., Rossmayne, All aints Road, Cheltenham, Glos. Mr. Clark ualified in 1897.

COLE.—On November 28, Mr. William rederick Cole, M.P.S., 41 London Road, orth Lowestoft, Suffolk, aged seventy-ve, Mr. Cole qualified in 1900.

DISHMAN.—On November 29, suddenly, fr. George Alfred Cedric Dishman, 1.P.S., 1 Market Street, Hyde, Ches, ged fifty-five. Mr. Dishman qualified in 921 and had been in business in Hyde or over twenty years. He is survived by is widow, two sons and a daughter.

EMERSON.—On November 27, Mr. John cott Emerson, M.P.S., Lynwood, Kaley romenade, Rhos-on-Sea, Colwyn Bay, enbighs, aged sixty-eight.

FLETCHER.—On December 18, at 98 Rocky Lane, Monton, Eccles, Mr. Charles Senior Fletcher, M.P.S. Mr. Fletcher, who qualified in 1895, was in business at 263 Eccles New Road, Salford, Manchester. The interment took place at Stretford Cemetery on December 21.

Good.—At his home in Westminster, London, on December 2, Mr. Percy Good, C.B.E., director of the British Standards Institution, 28 Victoria Street, London, S.W.1. Appointed assistant secretary of the former British Engineering Standards Association in 1913, Mr. Good was appointed deputy director of the B.S.I. in 1929 and its director in 1942. He was a member of the executive committee of the National Physical Laboratory.

Jones. — At his home, 9 Deneside Avenue, Low Fell, co. Durham, Mr. Vivian Jones (Northern representative of Stemco, Ltd., 128 Albert Street, London, N.W.1), aged forty-eight. Mr. Jones had represented Stemco, Ltd., in Northern England and Southern Scotland for over twenty years. He is survived by his widow.

MacFarlane. — Recently, Mr. David Norris MacFarlane, M.P.S., 34 Victoria Park Drive North, Glasgow, W.4, aged seventy-two.

MACPHERSON.—At an infirmary in Glasgow, on November 27, Mr. David Orr MacPherson, M.P.S., 554 Bilsland Drive, Maryhill, Glasgow, N.W., aged sixty-one. Mr. MacPherson qualified as a chemist and druggist in 1912 and passed the Pharmaceutical Chemist examination in 1916. The funeral was held at Lambhill Cemetery, Glasgow, on November 29.

Ormrod.—On December 4, Mr. Thomas Ellis Ormrod, manager of Wilson & Co., chemists, Darlington Street, Wigan, Lancs, aged fifty-five, Mr. Ormrod served a pharmaceutical apprenticeship with Mr. Oliver Hunter, M.P.S., Wigan, and after qualifying in 1921, had managerial experience in Reading, Berks, and Egham, Surrey, before returning to Wigan four years ago.

ROBERTS.—On November 20, Mr. William Arthur Roberts, Gwylfa, Roumania Drive, Llandudno, aged eighty-four. Mr. Roberts qualified as a chemist and druggist in 1888.

RUNGIMAN. — On November 24, Mr. Donald Thomson Runciman, M.P.S., 585 Govan Road, Glasgow, S.W.1, aged sixtyfour.

TRADE NOTES

Liquid-soap Dispenser. — On another page the Horton Manufacturing Co., Ltd., Rickmansworth, Herts, illustrate and describe their Savon liquid soap dispenser.

New Elixir.—An elixir containing the major vitamin complexes with phenobarbitone gr. ½ per teaspoonful has been marketed by John Wyeth & Bro., Ltd., Clifton House, Euston Road, London, N.W.1, under the title of Betlete elixir. The product is issued in 4-oz. bottles.

Grease-spot Photometer. — Neville Brown & Co., Ltd., 77 Newman Street, London, W.I, draw attention to their MCM grease spot photometer, which is claimed to save time, save paper and save its cost to amateur photographers making their own enlargements.

Temporary Pack.—British Chemicals & Biologicals, Ltd., 43 Regent Street, Loughborough, state that supplies of the 4-oz. size of Sanatogen are not available for a few months, owing to a national shortage of tin-plate. As a temporary measure the company is releasing for the home trade a go-gm. pack; the 4-oz. size will be reintroduced so soon as practicable.

New Warehouse for Old.—W. Sutton & Co., Druggists' Sundries, London, Ltd., Horseshoe Lane, Enfield, Middlesex, point out that, to facilitate the opening of the company's new warehouse on January 1, 1951, the present warehouse is being closed on December 23, and not as wrongly stated in an announcement in the advertisement pages recently.

Africa Visit.—On behalf of W. J. Groom & Co. (Overseas), Ltd., 22 Fenchurch Street, London, E.C.3, Mr. M. Ireland (a director) is visiting the Rhodesias and South Africa between March and September 1951. Whilst there, he is willing to investigate and report on questions of representation and sales for any British manufacturers who have not yet appointed agents but are anxious to extend their sales in those markets.

New Medical Products. — Christie, George & Co., Causeway Laboratories, Longcauseway, Farnworth, Lancs, announce the introduction of an ephedrine cream, I in 100 in a vanishing cream base, as suggested by a writer in the "Lancet" (1950.2.395); and of Drephabalm containing I in 5,000 adrenaline and I in 100 ephedrine in a similar base. Both pro-

ducts are packed in 2-oz. 4-oz. and 1-lb jars, all exempt from purchase tax.

Changes. - HORLICKS, LTD Slough, Bucks, effected certain adjustment in the prices of Horlick's malted milk o December 18; details are given on ar other page.—On December 15 the CHAS H. PHILLIPS CHEMICAL Co., LTD., 17 Acton Vale, London, W.3, altered th wholesale and retail prices of the standar size of Phillips' tooth-paste. The price for the extra-large size are unaltered .-From January 1, 1951, the retail price of Penotrane catheter lubricant, crean solution, and tincture; of Steravite; an of Viacutan cream and solution are bein increased by the manufacturers, Wari BLENKINSOP & Co., LTD., 6 Henriett Place, London, W.1.

Gift-time Items.—P. P. Payne & Son Ltd., Bush House, Aldwych, Londor W.C.2, announce that they have appointe a further five full-time representatives for the sale of their "gift-time" items. The representatives will cover London, the South Coast, the South-west, South Wall and Yorkshire. The company's range for 1951 is considerably larger than in 1951 and includes designs of fancy papers for all-the-year-round use and for special occasions, and Christmas designs. Because of increased sales, prices are unchanged.

Antithyroid Preparation.—British Sche ing, Ltd., 229 Kensington High Stree London, W.8, are marketing under the name Mercazole, 2-mgm. (scored) and o. mgm. tablets of 1-methyl-2-mercaptoimic azole, the former for initial and the latte for maintenance therapies. During the pa year-and-a-half, clinical investigations wit the parent substance 2-mercaptoimidazo and with the methyl derivative have bee in progress in this country. Results clinical trials with mercaptoimidazole wer published by Foss in the "British Medic Journal" (December 2, p. 1252), and the antithyroid activity of the methyl con pound was reported in "Endocrinology (1949.44,588) where Stanley and Astwor concluded that 1-methyl-2-mercaptoimic azole is ten times more active than 2-me captoimidiazole (itself five times mor active than methylthiouracil in tests of The company find the toxicity the two compounds to be of the same order as that of thiouracil when given orally mice.

Proprietary Articles Trade Association

Additions to Protected List (Part 1). Eli Lilly & Co., Ltd., No. 1575, Amytal ablets, gr. \(\frac{1}{4}\), 100's (new size), 28s. doz., 5s. 6d. No. 302, Ergotrate ampoules: 1.2-mgm., 1-c.c. (new size), 6's, 108s. doz., 3s. 6d., 100's, 137s. 4d. each, 206s. No. 83, Monotheamin Pulvules, gr. 1, 100's new size), 80s. doz., 10s. (exempt).

Alterations to Protected List (Part 1). John Bell, Hills & Lucas, Ltd., Cresyl Bell liquid, 4-oz., 11s. 6d. doz., 1s. 8d.; 6-oz., 36s. 9d. doz., 5s. (both exempt rom tax). Oxford liniment, 3-oz., 14s. 3d. loz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 3d. Paranag, 4-oz., 9s. 9d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 8\frac{1}{2}d.; 8-oz., 15s. 9d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 9d.; 16-oz., 25s. 9d. loz., tax 33\frac{1}{3} per cent., i.r.p. 4s. 4d. Tin

Ox tablets (J.B. brand), 25's, 9s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 7d.; 100's, 19s. doz., tax 33\frac{1}{3} per cent., i.r.p. 3s. 6d.

Genatosan, Ltd., Sanatogen temporary pack (90-gm.) (see p. 708), 3s., tax 33½ per cent., i.r.p. 4s. 11d.

Alterations to Protected List (Part 2).

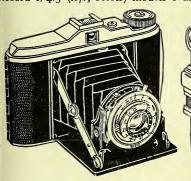
County Perfumery Co., Ltd., Brylfoam, F.51, 7s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. The manufacturers are increasing the amount of Brylfoam per tube from December 11.

Macleans, Ltd., Macleans peroxide tooth-paste, standard size, 10s. 8d. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 6d.; extra large size, 16s. 1d. doz., tax 33\frac{1}{3} per cent., i.r.p. 2s. 3d.

Parke, Davis & Co., Euthymol toothpaste, 11s. doz., tax 33\frac{1}{3} per cent., i.r.p. 1s. 8d.

GERMAN CAMERAS IN BRITAIN AGAIN

At a trade show in London recently Agfa td., Deer Park Road, London, S.W.19, howed German-made cameras and other hotographic goods which they are now mporting into Britain in limited quantiies, The cameras include the Billy Record f/4.5 (left, below) models I and 2 The Movex 8L movie camera (right, below) for 8 mm, film has a built-in electric exposure meter that automatically adjusts the lens diaphragm for correct exposures. The lens is a fixed focus f/2.8 colour-corrected







with self-timer and flash contact, the first with Radionar coated lens, Pronto shutter with four speeds (1/25 to 1/200 sec. and bulb), and built-in Newton finder; the second with Apotas coated lens, Prontor-S shutter with eight speeds (1 to 1/250 sec., bulb and time) and double-exposure prevention device; and the Isolette V f/4.5 (centre) with Agnar coated lens and flash contact. The shutter is the Vario with three speeds, bulb and time or Pronto with four speeds, bulb and time and self-timer.

coated lens of 12 mm, focal length. Even at full aperture, definition is sharp from $6\frac{1}{2}$ ft, to infinity.

Paper and Accessories

Other Agfa goods to be imported include Brovira bromide paper, Lupex gaslight paper and Portriga-rapid enlarging paper in three contrast grades; Agfa dark-room equipment and (from about mid-1951) the Agfacolor negative/positive colour process.

DUBLIN PHARMACY'S PRINCIPAL SOCIAL EVEN

The annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland was held in Dublin on December 5. There was a good attendance, despite severe frost, which prevented many country pharmacists from making the journey to the capital. An innovation this year was the colourful display of the crest of the Society from one of the balconies in the hall. Many valuable "spot" prizes were awarded and after supper the lady mayoress (Mrs. J. Belton) presided over a draw for a well-stocked Christmas hamper, for which there was brisk demand.

The large attendance included the president of the Pharmaceutical Society (Mr. T. C. Scott), with his daughter (Mrs. Penny) and party, the lord mayor of Dublin (Alderman J. Belton, T.D.) and the lady mayoress, Mr. Owen H. Waller (Editor, THE CHEMIST AND DRUGGIST), who had flown from London to be present, Mr. David Woulfe (president, Irish Drug Association), with Mrs. Woulfe and party, Mr. James G. Coleman (registrar), Mr. and Mrs. John Gleeson and party, Mr. and Mrs. T. B. O'Sullivan and party, Mr. and Mrs. Hugh P. Corrigan and party, Mr. G. C. O'Neill and party, Mr. P. F. Mc-Grath and party, Mr. and Mrs. M. Costello and party, Mr. H. G. Smith, Dr. John C. Dowling and party, Mr. and Mrs. Sylvester O'Farrell and party, Mr. C. A. Collis, Mr. John Draffin (captain, Irish Chemists' Golfing Society), Mr. W. R. Such, Miss C. MacCarthy, Mr. F. J. Robinson and party, Mr. S. J. Savage, Mr. S. MacCauley and party, Mr. and Mrs. Brendan Smith, Mr. and Mrs. G. B. Mac-Cauley, Mr. James Roche, Mr. Charles Roche, Mr. Brendan J. Smith, Mr. T. Cosgrave (representing the Chemists and Students' Foundation Club committee). Mr. F. H. Steele, Mr. I. J. Tierney, Mr. A. Allshire, Mr. and Mrs. F. T. Timoney and Darty, Mr. R. F. Timoney, Mr. F. J. Timoney, Mr. and Mrs. E. D. Attwool, etc.

Organisers of the Dance

With Mr. David Murphy as chairman, the committee responsible for organising the dance comprised Miss B. Fullam (secretary), Misses E. Smyth and C. Gaffiney (treasurer), Miss A. Lacy, Mrs. J. Gleeson, Miss R. Hughes, Messrs. T. C. Scott, J. P. Kissane, P. G. Redmond, J. Gleeson, P. Leahy, S. Dignan, S. Fox, and K. Banks.

- Crest of the Society suspended from a balcony of the ballroom.
- 2. Miss Connie Mac-Carthy and Mr. Sam McCauley.
- 3. Mr. Coleman with Miss Patricia O'Hara (this year's Dawn Beauty).
- 4. Mr. T. B. O'Sullivan (a member of Council) and Mrs. O'Sullivan.
- 5. Members of the dance committee and guests. Front row: Mr. David Murphy (chairman), the president of the Pharmaceutical Society of Ireland (Mr. T. C. Scott), the Lord Mayor of Dublin (Alderman J. Belton, T.D.), the Lady Mayoress, Mr. David Woulfe (president, Irish Drug Association).
- 6. Mr. Sylvester O'Farrell's party included Messrs. Con Collis, John Draffin and W. R. Such.
- 7. A Timoney family group, including pharmacist father and two pharmacist sons. Centre: Mr. Frank T. Timoney; left, Mr. Richard F., and right, Mr. Frank J. Timoney.
- 8. Patrons from the wholesale and manufacturing sections of pharmacy.
- 9. The Lady Mayoress draws the ticket in the Christmas hamper raf-
- 10. Mr. S. T. McCauley's party.
- 11. Golfers at the dance: Mr. John Draffin (newly elected captain. Irish Chemists' Go!fing Society), Mr. Phil McAu!iffe, Mr. M. G. Baynes, Mr. Con Collis, Mr. Joe Smyth, and Mr. M. Costello.
- 12. Mr. Fred Robinson's party.









THE YEAR: THE BENEVOLENT FUND DANCE



SHAKESPEARE AND MEDICINE

An address entitled "The Medical Knowledge of William Shakespeare" was given by PROFESSOR STANLEY ALSTEAD to an evening meeting of the Scottish Department of the Pharmaceutical Society in Edinburgh recently. He said:—

The vast literature on Shakespeare contains more than a score of authoritative publications on Shakespeare's medical knowledge. Among publications to which I am particularly indebted are Sir St. Clair Thomson's Annual Oration before the Medical Society of London in 1916 and Herbert R. Spencer's essay on medi-

cine in the days of Shakespeare.

In Shakespeare's day the physician's fee was the "noble" and afterwards the "angel"—each worth 6s. 8d. to 10s., but at the Restoration in 1660, the doctor's fee was raised to a guinea. In none of Shakespeare's plays do we find the amount of the physician's fee specified, but in Pericles we read, "Thy sacred physic shall receive such pay as thy desires can wish." Seven physicians but no surgeons are represented in the plays: Dr. Caius in The Merry Wives of Windsor, a Scottish doctor and an English doctor in Macbeth, Dr. Butts in Henry VIII, Cornelius in Cymbeline, the physician in King Lear and Cerimon in Pericles.

In Macbeth, the English doctor refers to the curing of scrofula (a form of tuberculosis) by the royal touch:—

Ay Sir; there are a crew of wretched

__souls,

That stay his cure: their malady con-

VIIICES

The great assay of art; but, at his touch, Such sanctity hath Heaven given his hand,

They presently amend.

..... But strangely-visited people, All swoln and ulcerous, pitiful to the eye,

The mere despair of surgery, he cures. This superstition persisted for a long time, and even Dr. Samuel Johnson (1709-1784) was "touched" for scrofula by the royal finger of Queen Anne.

Medical Terms

Shakespeare's remarkable skill in aptly introducing medical terms might be illustrated by innumerable quotations, for example:—

Winter's Tale (i. 2.). I have tremor cordis on me—my heart dances; but not for

joy—not joy.

King Lear (ii. 4.). O, how this mot swells up towards my heart! Hyster passio,—down, thou climbing sorrow, element's below!

Twelfth Night (i. 5.). Thou has specific us, madonna, as if the eldest should be a fool, whose skull Jove cr with brains! for here he comes, one of kin, has a most weak bia mater.

A plausible suggestion has been may Benjamin Richardson to account Shakespeare's knowledge of the pia ma (one of the membranes that surround brain). In 1615 Helkiah Crooke wrote volume on anatomy and this was prin by W. Jaggard of the Barbican in Lond who printed Shakespeare's plays. Sha speare may well have seen Crooke's welying in Jaggard's office. It is more the likely that the account and illustrations the brain were seen and remembered the poet.

Malaria

Shakespeare mentions ague frequent indicating how common malaria was England at that time. Infinitely more i portant than these verbal medical ref ences is Shakespeare's insight into the s nificance of symptoms and the varying cidence of diseases. In Julius Caesar is reference to the fact that malaria is oft followed by wasting:—

Caesar was ne'er so much your enemy As that same ague which hath made y

lean

Students of forensic medicine will cognise this test of life described in Ki Lear:—

I know when one is dead and when o

She's dead as earth—lend me a looki

If that her breath will mist or stain t stone,

Why, then she lives.

And again, in the same play:— This feather stirs, she lives!

Some 36 herbs and drugs can be couted in the writings of Shakespeare. Or a dozen of them are to be found in tourrent British Pharmacopæia. Shak speare's views on hygiene, diet and medical treatment seem remarkably tempera when one considers the state of content por ary the rapeutics. Sweating, purging bleeding and starving were the order the day and the materia medica contain powder made from the skull of a man who

been hanged, blood of dragons and

rails of animals. s might be expected of a poet who was shrewd an observer of human nature, ormal behaviour and mental disorders eived a good deal of attention. To te St. Clair Thomson, there is "the rasthenia of Hamlet, the melancholy of ues, the coxcombry of Malvolio, the lucinations of Macbeth, the insane amon of Lady Macbeth, the insanity of helia, the maniacal misanthropy of non of Athens, the blind fury of nello, the frenzy of Constance, the mania King Lear, the foolish imbecility of pple, Shallow and Speed, and the sillis and cunning of the various fools." e humane treatment of lunatics is, of irse, a comparatively recent developnt in the history of man. These lines e us a glimpse of this branch of theraitics in the sixteenth century:

meo and Juliet (i. 2).

Not mad, but bound more than a mad-

man is;

Shut up in prison, kept without my food, Whipp'd and tormented,

had misgivings evidently akespeare but the common treatment of madmen he recommends gentle handling-

ich Ado About Nothing (v. 1.).

Fetter strong madness in a silken thread, Charm ache with air, and agony with words.

aguy Proud

In Troilus and Cressida (ii, 3) Ulysses es this description of Achilles' behaur-leaving the diagnosis of G.P.I. bend doubt:

Things small as nothing, for request's

sake only,

He makes important: possess'd he is with greatness:

And speaks not to himself, but with a

pride

That quarrels at self-breath: imagin'd worth

Holds in his blood such swoln and hot discourse,

That, 'twixt his mental and his active

Kingdom'd Achilles in commotion rages, And batters down himself: what should

I say? He is so plaguy proud, that the death

tokens of it Cry-" No recovery."

here are few patients who genuinely sh to hear a bad prognosis, however

accurate it may be and notwithstanding the doctor's excellent intentions. Indeed, it may be said that a doctor's reputation is never enhanced by giving a gloomy prognosis and confidence is utterly destroyed when the physician's carefully considered forecast of death is belied by the patient's recovery. We would do well therefore to keep these lines from Anthony and Cleopatra in our memories:

Though it be honest, it is never good To bring bad news; give to a gracious message

A host of tongues; but let ill-tidings tell

Themselves, when they be felt.

I think this quotation is of particular interest in emphasising the overwhelming importance of a deep understanding of human nature and its apparently illogical ways; for the physician more than anyone else is likely to see his fellow men when their behaviour is unpredictable. Lack of what is readily available in scientific and practical knowledge is always culpable; but no amount of academic learning compensates for ignorance of human nature.

Circulation of the Blood

The poet's appreciation of the importance of the blood to the health of the whole organism is apparent in several of his plays.

There are many references to the circu-

lation of the blood.

It will be recalled that Shakespeare died on April 23, 1616. In the week preceding his death, William Harvey gave his first course of Lumleian Lectures and used these words: "Whence it follows that the movement of the blood is constantly in a circle, and is brought about by the beat of the heart." Shakespeare's account of movement of the blood was, in fact, simply in keeping with current opinion, and it is evident that he was aware only of the flow of blood through the veins to the heart.

I imagine that no lines are so often quoted as those of Shakespeare on the virtues of sleep for their exquisite accuracy of expression as well as for their profound

significance to medical men:

Macbeth (ii. 2.).

Sleep that knits up the ravell'd sleave

The death of each day's life, sore labour's bath,

Balm of hurt minds, great nature's second course,

Chief nourisher in life's feast.

Episodes from a FILM STRIP OF Th



The nomenclature committee of the Pharmacopæia Commission considers a sugges Pharmacy and steps out to new duties as High Sheriff of Carnarvonshire. Mr.



Mr. T. D. Morson completes an exchange of trophies that should do much to cement goodwill between British and Australian wholesalers.

A d copy



The search for materials from which to synthesise cortisone prompts a new "gold rush" in Africa.



phreys Jones, Ph.C., turns the key for the last time on the Liverpool School of suades the Scottish chemists that there is no need to retire from the public service.



ng trade has the effect on one occasion, in October, that subscribers receive their AND DRUGGIST in two parts.



olding of their services by Isle of Man chemists takes N.H.S, patients to unexpected dicine.

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INFORMATION WANTED

A STATE OF THE STA

The Editor would appreciate informat about suppliers of the following items Stormarco mouth perfume (described as "greenish syrupy liquid").

HEMIST AND LIRUGGIST RETAILER-WHOLESALER-MANUFACTURER ESTABLISHED 1859

culates throughout the Pharmaceutical, emical, Drug, Essential Oil, Perfumery, smetic, Toilet Preparation and allied

Trades throughout the World ficial organ of The Pharmaceutical ciety of Ireland, The Pharmaceutical ciety of Northern Ireland, The Chemists' d Druggists' Society of Ireland and of ter Chemists' Societies in the Empire.

L. CLIV **DECEMBER 23, 1950**

No. 3696

Exclusive Dealing and Collective Boycott

te principal recommendation reached in report on the dental goods industry 717) is for the prohibition of "exclue dealing and collective boycott."

Pharmacists will find in the report, on count of the minor similarities of the lustry to their own, but even more on count of the dissimilarities in its organiion, much to occupy them. They should dy the monopoly commission's findings t only for the intrinsic merits or derits of the recommendations, but also the effect they will have (indeed, eady appear to be having) on the menclimate in which any new legislation introduced, debated and enacted, "Exsive dealing and collective boycott" ms destined to become a catchword, th the ultimate effect such tags often ve of being made to influence situations which they do not really apply.

Already that usually moderate news-per the "Observer" is calling for eneral legislation to restore freedom of mpetition in the sector of British industhat remains in private hands," so that trictions that "extend over a wide nge of industry" are not allowed to conue "while the Monopolies Commission

rsues its leisurely way."

The danger is that in any hasty legision the Proprietary Articles Trade Assotion may be lumped in with other dies as being superficially concerned th "exclusive dealing and collective boytt," when examination of the Commission's report clearly shows crucial differences of practice from that of the dental trade body. Thus all members of the Association of Dental Manufacturers and Traders agree to adhere to the retail prices fixed by the manufacturer or sole agent, but there is no agreement among manufacturers to fix uniform prices or allow uniform margins. The P.A.T.A., of course, is very much concerned with reasonable rather than uniform margins for particular classes of goods, and while its principal preoccupation has no doubt been to safeguard the trading conditions of retail distributors, indirectly it may claim to have served to stabilise uniformly moderate prices and thus eliminate the risk that the public will be unduly exploited through

excessive profits being taken.

Another important point to emphasise is that the P.A.T.A. is in no sense an attempt to enforce a closed shop, and there is not the slightest risk that it will become "self-perpetuating" in the sense in which the term has been applied by the Commission to the A.D.M.T. Membership of the P.A.T.A. is open to any manufacturer, wholesaler or retail distributor who complies with the membership requirements, and there is abundant evidence that manufacturer members constantly weighing up the relative benefits in their own circumstances of membership and non-membership. If, in the long. run, a majority prefer to be inside, that is clearly no indication of a monopoly or closed shop such as may lead eventually to profiteering. It was frequently emphasised by the Association's founder, Sir William Glyn-Jones, that, so far as the goods included in the P.A.T.A. list are concerned, no restrictions should be placed on the channels of distribution, provided the resale conditions attached to the goods were observed by the sellers—a policy which, we understand, still obtains.

We hold no brief, of course, for the dental industry, but its spokesmen were entitled to claim that some part of the high margins which the Commission assailed had been a factor in maintaining that "high sense of responsibility for the provision of the best quality of goods and of service" which the Commission itself acknowledged. We are entirely at one with the dental trade body in urging that, if resale price maintenance is a good thing, it is unreasonable to demand that its application should be left to individual manufacturers. 'The Lloyd Jacob Committee's report, unfortunately, seems to have influenced the Commission to the view that resale price maintenance is in itself a bad thing—a conclusion not justified, as has been pointed out, by the recorded evidence within it. There is now a distinct danger that a growing section of the general public may absorb uncritically the same belief. Having created a favourable public opinion the Government could easily put through a measure capable of undermining retail stability and bringing back the price chaos of half a century ago. A firm stand and active propaganda are therefore called for from all who discern and appreciate the value of collective price maintenance.

Progress in Rabies Therapy

NOTABLE progress in the therapy of rabies—a disease still of considerable importance in some areas of the world—is noted in the report of the Expert Committee on Rabies of the World Health Organisation recently published. They include the development of a new and effective ultra-violet-radiated vaccine (commonly called U.V. vaccine); and of an avianised vaccine of a virus propagated on chick embryos.

The advances have been facilitated by using the mouse for detecting the rabies virus and making quantitative determinations. It has been found that irradiation of the virus by ultra-violet light, under controlled conditions which are indicated in the report, inactivates the virus but does not affect its antigenic and immunising properties. The Committee states that the uniformly high potency, storage properties and safe use in man and dog justify the recommendation that the U.V. vaccine shall be added to the list of acceptable vaccines. The virus propagated in chick embryos has been found to be non-pathogenic for dogs, and no cases of post-vaccinal paralysis have been observed. Field tests are in progress in the United States with, so far, satisfactory results. Revaluation of the use of hyper-immune anti-rabies serum for preventing rabies in man been indicated, and a plan has been draft for a field trial in human beings expos to rabid-wolf bites in Iran.

Sharp Advance in Zinc Oxide EARLY in May this year we forecast the prices of zinc oxide would continue to r unless output of the metal increased su stantially. At that time the effects American stockpiling of zinc had alrea been felt, and the process has been acc erated greatly by the outbreak of hostilit in Korea. The shortage of zinc was ferred to in the House of Commons December 15, when the Parliaments Secretary to the Ministry of Supply sa that an allocation system would be int duced on January 1, 1951. The medicin uses of zinc oxide, though important, ta quantities compared with amounts utilised in pigments and by t rubber industry, and it is unlikely th any stoppage will occur in the supply pharmaceutical grade. However, pri have sharply advanced—by £31 15s. I ton-and today the minimum rate is £1 per ton, against £103 15s. on May 1, a £74 103, prior to the devaluation of st ling, and few, if any, buyers are at prese

Wordsworth Rewritten A Little Bit of England, 1950

being supplied with the quantity (two to

stipulated for the minimum charge.

It is not to be thought of that the flood Of British pharmacists who throng the Square

And sit, elected, on the Council there
Should not be housed as fitly as they
should;

That Secretary Adams should be stood, While greeting V.I.P's from foreign lands (Smiling benignantly and shaking hands) On threadbare, ragged rug or naked wood. Now we're "profesh" our titles manifold Demand much higher standards than of yore. Take fifteen hundred of the members' gold And lay new carpets down on every floor! Rooms that have known our Pestled Knights

Shall bloom as Bloomsbury never bloomed before

DENTAL GOODS INDUSTRY INVESTIGATED

"Report on the Supply of Dental ods" just published by H.M. Stationery ce, price 3s. 6d., is of importance not ly because it deals with the first industo be investigated by the Monopolies Restrictive Practices Commission, but, and especially, because in that industhere functions a body one of whose ects has been resale price maintenance. fact, one effect of the report may be the trade association, "to the extent it may take the form of an association exclusive suppliers and dealers the supervision of resale price mainance" may, as the City editor of the Times" considers, be "brought a step nearer to the possibility of legal hibition."

visions for Collective Boycott

The Commission finds that the condist to which the Monopolies and Restric-Practices (Inquiry and Control) Act, 8, applies exist in the industry. The ociation of Dental Manufacturers and ders is an association of manufacturers distributors who supply about nineths of the dental goods sold in the ited Kingdom market. There is no eement to maintain common prices at ter the manufacturing or the retail level,

. . . "the Association has a more eral concern with the protection of the iness of its members by various means, most important of which, besides the lective enforcement of resale price mainance, is the limitation of entry into the ustry." The regulations of the Associaa provide for the collective boycott of 1-members. Manufacturer members st sell exclusively (unless at full retail ce) to dealer members, and dealer mems must buy nearly all important types dental goods exclusively from manufacer members. One member of the assotion is at once the largest manufacturer, largest retailer and the largest exporter dental goods. That member supplies irly half the dental goods sold in the ited Kingdom market.

The Commission traced eighteen appliions for dealer membership subsequent 1935, of which seven were eventually cessful, one being from a business whose prietor was new to the trade. Of the ected applicants, six were refused bese they were dealers mainly in nontal goods (e.g., chemists and suppliers of surgical equipment). "Amongst these was one of the large suppliers of pharmaceutical goods and surgical equipment . . . and it was explained to this concern . . . that the policy of the A.D.M.T. was to maintain a clear line of demarcation between the trade in dental goods and the trade in surgical goods." In furthcrance of that policy the 10 per cent. discount on dental goods formerly allowed to chemists was abolished in 1934.

In 1948 the value of retail sales was £3,558,000. In 1949, mainly as a result of the increased demand for dental treatment under N.H.S., retail sales rose to £5,695,000, an increase of 60 per cent. The overall gross margin at the wholesale side on sole agency business was 30 per cent. on sales, of which nearly 15 per cent. on sales represented net profit.

The Association maintains that its practices are not against the public interest, contending that, in the absence of resale price maintenance, competition amongst distributors of branded goods tends to result in prices being cut to a level so low that the trade becomes unremunerative and traders cease to stock the goods—an outcome harmful to distributors, manufacturers and the public, and that, "if resale price maintenance is a good thing, it is unreasonable to say that its application should be left to individual manufacturers. Individual systems are difficult and expensive to operate; collective systems are simpler, cheaper and more effective."

High Sense of Responsibility

The Commission acknowledges that a sense of responsibility prevails throughout the industry for the provision of the best quality of goods and of service to the dentist, and that a British industry has been built up that can, if necessary, function independently of imports and that has coped remarkably well with the enormous expansion demanded by the National Health Service. Nevertheless, it considers certain changes desirable in the public interest (a reservation is made by two members of the Commission that it would be wrong to introduce ad hoc legislation to deal with practices of exclusive dealing and collective boycott carried on in other industries also). The things that are considered to be against the public interest are (1) keeping individuals out of the trade or restricting them to a very small section of the trade because they do not wish or are not permitted to join the Association; (2) depriving or threatening to deprive a member of most of his business if he breaks a trade association rule or agreement; (3) the self-perpetuating character of membership and the risk that restrictions on competition will maintain prices and margins at unnecessarily high levels, hamper the development of progressive makers or traders outside the Association, and restrict innovations in methods of distribution. "We do not think it is in the public interest that the pattern of industry should be imposed . . . in a market assured and

protected through the National Hea Service . . . by members of a trade as ciation."

What the Commission Recommends

The Association of Dental Manufaturers and Traders is finally urged to view its rules, regulations and policy, a revise them in the light of the repe "Almost every practice which in our vi operates or may be expected to operagainst the public interest rests fundame tally on exclusive dealing and collect boycott. We recommend that those prices . . . should be prohibited."

PRESCRIPTION PRICING AND ITS PROBLEMS

SPEAKING to the Leeds Branch of the Pharmaceutical Society recently on the problems of pricing National Health Service prescriptions, Mr. W. Haigh, M.P.S. (clerk to the Joint Pricing Committee for England) said that the pricing bureaux must price prescriptions strictly in accordance with the terms laid down in the Drug Tariff. Endorsements on prescriptions which were frequently inadequately carried out left room for doubt as to exactly what had been supplied. The most frequent cause of difficulty occurred with watery preparations of penicillin, where the instruction (Clause 15 of Part 1 of the Tariff) to indicate whether powder or tablets had been used was usually ignored.

As early as 1946 the Ministry of Health had started to devise a scheme for speeding up the work of the pricing bureaux which would be satisfactory to all concerned. Good progress was made with this at first, but difficulties later arose and in May 1947 bureaux were asked to recruit additional staff. Suitable recruits were difficult to obtain, and efforts had been made to de-

vise an alternative scheme.

Inadequate Resources

When the Joint Pricing Committee for England was constituted on June 14, 1948, it found that the resources it had inherited were incapable of with the 60 million N.H.I. prescriptions annually, whereas it was now called on to deal with three times that number. For some time, output per pricer had been falling from various causes—the increased incidence of proprietaries, the growing use of chemotherapeutic preparations, antibiotics, etc. By far the biggest headache, however, was the introduction of complicated dispensing fees. Those were factors over which the pricing service had control. The average output per pricer v now only one-third of what it had be before the war.

Recruiting Problems

Recruiting raised two further difficulti First, there was the problem of traini No system had yet been devised for ducing the period of training to less th a year, and expert pricers must be tal off productive work to train them. proximately 50 per cent. of the recru obtained found the work uncongenial a did not stay the course. In an effort reduce this wastage, new salary scales w agreed with the Ministry of Health, I the scales had failed to receive the proval of the staff side of the Whit Council and had not been adopted. T second problem was that of accommo Nine of the thirteen bureaux h now been rehoused in larger premises, a plans were almost complete to enlarge other bureau considerably. Negotiatic were also in an advanced stage for secur premises suitable for a large new bure in the North of England. The total st employed had been doubled since J 1948, although it was still not possi to complete one month's work in a mon A scheme for speeding pricing which h not yet been tried practically was the devised by the Committee's senior office confidently believed that us punched-card machinery would result prompt and accurate payment. Howe favourably Government experts who w examining that plan might regard scheme, it was of such a revolution: character that some time must elapse fore it could be brought into full ope tion.

通機動器機動制

.—The phartey of Mr. W. Lawnce, M.P.S., arket Place, aresborough

AIMED to be used in the old-pharmacy build-g in England e foundations basement posly date back to Norman period), business of Mr. W. Lawrence, P.S., Market ace, Knaresborgh, Yorks, can be ced by its deeds

1720 (when it was devoted to drugs and bal medicines). The building, however, d been erected centuries earlier, and it remained unaltered except for restoran of the gables. Most of the Market ice buildings were erected, it is thought, en the town was rebuilt after the Scots d sacked it in 1319, and the fabric of pharmacy, comprising oak framework, sound now as when first assembled, is asistent with that theory. The earliest uctures in the razed buildings date to Roman period, as proved by excavans. Authorities believe that an arch in e of the cellars of the pharmacy is orman, and that there was some connecn between the present pharmacy buildg and the neighbouring Norman castle. Mr. E. W. Lawrence took over the busiss in 1903 on the death of his father, r. W. P. Lawrence, who had purchased in 1884. (Previously, Mr. W. P. Lawnce represented the publishers of THE HEMIST AND DRUGGIST, and, some ninety ars ago, introduced the paper into the orth of England.) Still in use in the armacy are a range of Georgian ointent jars of Doulton ware with the arms Hanover raised on the surface. Exhibited the shop are a number of connections the earlier days including quaint showttles containing coloured liquid; ancient ug jars; a battery of plaster irons; pharacopœias, dispensatories and herbals of

the 17th and 18th centuries (including Culpeper's Herbal); and strips of leather formerly used to hold quills of mercury and other substances worn as charms against disease and accident. An object of interest to visitors is an ancient bottle stand which turns on a swivel attached to the ceiling. In the early 19th century dogs were made to turn machinery which worked a pestle and mortar. The pestle (of wood) and mortar (of marble) are still in use.

FIFTY YEARS AGO A Chemically Educated Public

(From the C. & D., December 22, 1900) This arsenic scare, for it is a scare, is not, however, without its bright side. Think of the good the open discussion through the Press has been to the popular education. Three weeks ago the man in the street knew nothing about chemistry beyond the action of a belladonna plaster. Now he will airily take the lead in a conversation bristling with ptomaines, hydrocarbons, saccharines, glucosides and asymmetric carbon-atoms, and is prepared to take the floor with any comer on the toxic values of inorganic isomerides. educational value of the discovery has been immense. I think everyone will agree with me that the enlightenment of the public mind on toxicology, adulteration, analysis, and the kindred sciences has been far-reaching.

Hutchinson's Christmas Eve

HOMAS Richard Hutchinson, M.P.S., locked the door of his safe on his Christmas Eve takings. "At last," he thought with satisfaction, "another Christmas over - my twelfth at Berken-

hampton."

But it wasn't quite over, because on looking into his shop he decided that he must try to tidy up the near-shambles that the invasion of gift-seeking shoppers some hours before had left. It was his turn for the Christmas Day rota duty (Mrs. Hutchinson was arranging the Christmas dinner to fit in with the rota times), and it was completely against his upbringing to have to return to an untidy shop, even on Christmas Day.

Hutchinson had reason to be satisfied with his business progress because, despite the difficulties of the war and post-war years, he was making a notable success of his venture as a proprietor pharmacist, though not without sacrifice of time and energy. He had put the savings of years of managership and capital loaned by the Union towards achieving an ambition to own a pharmacy with a tradition. had bought the Barrows Pharmacy on Pedman Way, an early British track that passed through the town. Like most of the other buildings in the town, it was constructed chiefly of cut flint, roofed with mellowed rust-red tiles, and it nestled beneath the shoulder of the barrow—and tumulus-studded Malmbury Down, From outside, the pharmacy was distinguished by its eighteenth-century bow windows.

Behind those windows Hutchinson was still busy until late that night clearing away empty cases that had held perfume, talc, lipstick, hair brushes, and putting into some semblance of order the denuded counters, cases and display stands. Turning round halfway though tidying a case, he was more than a little surprised to see, waiting at the counter, a man of dignified bearing-possibly a doctor. In his best professional voice, he apologised. "Sorry sir, I didn't know you were there. thought I had locked the door-you have to be careful about hours and things these days you know-but if it's an urgent medical requirement. . . .'

"Don't trouble, thank you. Finish what you are doing, I am in no immediate hurry," the stranger replied. "You appear to have had a very busy Christmas Eve," he added, apparently for conversation.

"Yes," replied Hutchinson. perhaps not quite so much money ab this year, but we have many visitors—e at Christmas—to this old town. profession there is such a man-power sh age that I have to do the clearing-up self. I am sure there has never before b anything like the present dearth of a tants in the lifetime of this pharmacythat is going back some years."

"Yes, I understand yours is a very

pharmacy."

"I am flattered that you should kr as much, for I take it, sir, that you not a resident. If you are interested I show you deeds tracing the business b in an unbroken line of chemists and dr gists and apothecaries to the seventee century, which is as far as the recc go.

"That is indeed a distinction to proud of. . . . And think how your pro sion has changed during that time."

"It has certainly changed, but I sor times wonder-considering the cuts in dispensing payment—if it is entirely the better, at least so far as the phari cist is concerned."

"But have you thought that perh your pharmacy, situated in this histo town and on the Pedman Way, the route from Cornwall might have mi

earlier associations?"

"That is a matter that I have alw wanted to look into, but, you know, w with the increasing amount of dispensi and having to chair meetings of the lo branch of the National Pharmaceut. . .

"Yes, I can understand. But if you w to consult archæological records you wo find, in fact, that it dates back mu much further than that."

"Then, sir, you are an archæologist?" "No, indeed, I can personally vouch

" Personally?" asked Hutchinson,

some perplexity.

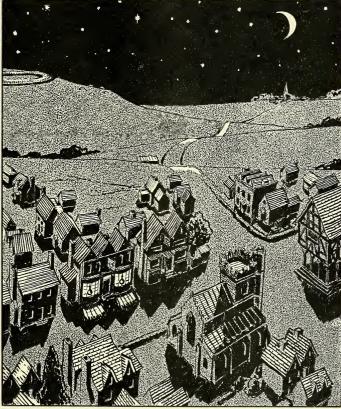
"Strange as it may sound, yes," said "The barrow-covered downs th attract some of your customers have alm always been a centre of activity. I kn them when they were the commercial a social hub of the surrounding district. was the medicine man and compound of remedies and preventives for the tri to which I belonged—a sort of sage, r without power in my way—at least wh I was a commercial success. I had my te

e lee of Malm-Down, alongthe main to the Bar--a fine posifor casual cus-I placed it the centre nd of the and the wesmost of ıli • were At midsumthe sun, as from my tent. immediately nd the monoat Wartonhy Hill - a cidence that ed greatly to reputation of prowess. Now might recogthe position I have desd to be exwhere your rmacy stands." I have noticed the remains of camp and the ern tumuli are ine from here, possibly the k you mention ime that used the tin . I have often

ked late here, cheeking invoices and ing these—to you, no doubt—new-yled prescription forms, but I have er yet been here at sunrise at midmer, and therefore have not obed the phenomenon you describe, ugh it may well bear out your story." I had the monopoly in the tribe as licine man and compounder, but dealin drugs wasn't all honey, even in those s. A neighbouring tribe, who lived bed the fir-clad sandy ridge you can still from here, were constantly raiding us steal cattle and annex grazing land. expense of repelling the attacks was a in on resources, and required the levyof taxes on all members of the tribe." The Druids (with whom I was to some ent in competition) persuaded our een," he went on to explain, "to levy

m me an extra 16 per cent, of my in-

ne on the excuse that I was apparently



prospering and did little hard work for it. That was the last straw! After all, I had my bills to pay, and just think, to give but one example, of the price the hunters were charging for bears' grease, just because they claimed bears were getting scarce. Of course, I got into debt, and my debts continued to mount. In our tribe they dealt expeditiously with debtors, and the Druids saw to it that no mercy was recommended in my case. It is for that reason that I am here tonight," he said, removing his head with his hands and replacing it on his shoulders in apparently a more comfortable position. "I am bound to the place."

"I see," replied Hutchinson. But what he saw must remain in doubt, because at that moment the church clock struck the first stroke of midnight, and as he looked up there was no visitor. Hutchinson tried the handle of the door, It was locked.

NEW BOOKS

Progress in Chromatography, 1938-47.—L. Zechmeister, $8\frac{1}{2} \times 5\frac{1}{4}$ in. Pp. 368, 45° . Chapman & Hall, 37 Essex Street, London, W.C.2. A successor to "Principles and Practice of Chromatography" written by the author in conjunction with L. Cholnoky. The present work outlines principles and methods and surveys the progress made in the subject in the past ten years. The various substances described are classified according to their chemical nature. Information is given on methods and materials, and an extensive bibliography is included.

A Pharmacopœia for Chiropodists. J. N. Le Rossignol, F.Ch.S., and C. B. Holliday, M.P.S. Fifth edition. 74 x 5 in. Pp. 264. 8s. 6d. Faber & Faber, Ltd., 24 Russell Square, London, W.C. 1. Written jointly by a chiropodist and a pharmacist, this book presents monographs giving the origin, physical properties and uses of substances and dressings used in chiropody, including references to official preparations. The information includes methods of preparation and touches on prescription writing (including incompatibilities), and weights and measures. Appendices deal with the purchase and storage of poisons and include a glossary of technical terms.

New and Nonofficial Remedies, 1950. —7½ x 4¾ in. Pp. 851. 27s. J. B. Lippincott Co., Aldine House, Bedford Street. London, W.C.2. The current edition of this now standard American work describes preparations, many of them proprietaries, that stood accepted by the Council on Pharmacy and Chemistry of the American Medical Association on January 1, 1950. As in previous years, monographs are grouped into chapters according to the pharmacology of the drugs, each chapter headed with notes on the type of preparation it deals with. Bibliographical references to products unaccepted by the Council are also given under appropriate headings.

The Distribution of Consumer Goods.—James H. Jefferys, assisted by Margaret Maccoll and G. L. Levett. $9\frac{1}{2}$ x $6\frac{1}{2}$ in. Pp. 430. 35s. Cambridge University Press, Bentley House, 200 Euston Road, London, N.W.1. A report of a factual study (under the auspices of the National Institute of Economic and Social Research) of the distribution of consumer goods sold in the United Kingdom in 1938, the book is in

two parts. One consists of "case stud of methods and costs of distributing i vidual commodities and groups of ite The other summarises information g in the individual case studies. The reis based on information provided by i vidual firms, trade associations, manu turers, wholesalers and retailers, market search organisations, Government dep ments and other bodies. Chapter XX gives the only detailed review available far as we are aware, of consumers' exp diture, methods and costs of distribu of various kinds of medicines and dr toilet preparations and requisites, photographic goods.

Aetherische Oels, Riechstoffe, Rie drogen.-Lothar von Jaminet. 81 x 6 Pp. 177. DM 12. Drogenkunde.—H A. Hoppe. 9¹/₄ in. x 6 in. Pp. 335. 9.60. Europäische Drogen, Volume (A—H).—Heinz A. Hoppe. 9½ x 6 Pp. 226. All published by Cram, Gruyter & Co., Hamburg. Each of trio of books adopts a similar technic presenting concise details about a serie items arranged alphabetically. gives, in part I, the botanical and graphical sources, yield, properties, stituents and uses of essential oils; in I II the synonyms, molecular formulæ, oc rence, physical properties and consta and uses of aromatic compounds; and part II, the sources, properties and use natural aromatic drugs. To complete work the German names of the items tabulated alongside their equivalents Latin, English, Russian, French, Spai and Portuguese. The second work treat drug lore under the two main headi of medicinal drugs in world commerce rare drugs, technical raw materials, etc. third, which includes 119 illustrations line, catalogues botanical drugs, g notes on botanical source, part used, t of collection, description, constituents uses.

Chemical Constitution and Biolog Activity. — W. A. Sexton, Ph.D., B. F.R.I.C. 9\frac{3}{2} x 6 in. Pp. 412. 55s. E. F. N. Spon, Ltd., 15 Bedford Street, L. don, W.C.2. The author has met a n by correlating from necessarily dive sources recent advances made in 1 quickly progressing subject during the pthree to ten years. He has written chiefor chemists, and has included, therefore

w chapters explaining the necessary gy concerned with anti-protozoal s, cancer, and antigens and antibodies. are in part II of the book, which in ral is devoted to illustrating the prins dealt with in part I. The examples ide discussions on classes of vitamins in B group, para-aminobenzoic acid and sulphonamide drugs, porphyrins, symomimetic drugs and antihistamines, antics, insecticides, and plant-growth retors. Discussion of the steroids and tenoids has been omitted because little nown of the chemical processes by h they assert their biological effect. I of the book deals with macro-moleincluding enzymes and viruses; nical mechanisms and physico-chemiconsiderations influencing drug activthe modification of drugs by leaving nisms, etc. To illustrate clearly the ecular structure of compounds (e.g., hyrins) the author has used page-wide ctural formulæ printed with bold lines.

dvanced Chemical Calculations. ranus J. Smith, M.A. $8\frac{1}{2} \times 5\frac{1}{2}$ in. Pp. 17s. Macmillan & Co., Ltd., St. tin's Street, London, W.C.2. The first thirds of this volume covers the more Il type of chemical calculation, and ains three useful chapters on calculas in organic chemistry. The remaining chapters, dealing mainly with the less ientary aspects of chemical thermodyics, assume an acquaintance with pardifferentiation, which is itself the subof a short appendix. Each topic bewith a brief but lucid exposition of the bretical aspects and is followed by ral carefully worked examples. At the of each chapter there is a collection of perical questions. In addition, three colions of miscellaneous questions are inled, many of which will provide the lent with valuable revision on topics usually associated with numerical istry. The inclusion of nearly 200 mistry. ked examples and 1,000 questions with wers shows the assiduity with which book has been written and the clear nner in which the worked examples are out reflects the author's wealth of teachexperience. Mr. Smith's book should ve invaluable to students of chemistry pharmacy from the intermediate stage to final honours degree, and should win a ce of honour on the bookshelf of anyconcerned with the teaching of nurical chemistry.—K.G.

CORRESPONDENCE

Health Service Clothing?

SIR,—A few days ago an old-age pensioner arrived in our shop wearing a head scarf made from boric lint, in its original colour. This is just one instance out of many where economies could be effected more fairly than by cutting chemists' accounts.

Londonderry

R. R. HARPUR.

Gross Takings and Net Profits

SIR,—The statement of the Ministry of Health that chemists were receiving an average of £2,000 a year each from the Health Service should have been accompanied by the information that net profit of the chemist in many cases may not be more than 10 per cent. of the amount received. As they have to wait six months or more for payment by the Health Ministry, and customers have to pay cash for the goods purchased over the counter, the Ministry of Health should pay interest to the chemists on the amounts owed to them. Yours faithfully,

S E. A.

Dispensers and Their Training

SIR,—Replying to B.Pharm., Ph.C.'s letter (C. & D., December 16, p. 692) my view is that most "Hall" dispensers have been trained by pharmacists. One of the sections of the entry form for the examination dealing with practical and forensic pharmacy and materia medica must be signed by a pharmacist or person with similar qualification. Another section dealing with practical and theoretical chemistry must be signed by a person with a degree in chemistry. The practical work of dispensing is an important part of the examination embodying a full range of preparations. The remarks in his letter regarding foreign labour are interesting. It seems that this country often helps them more than its own people.

Yours faithfully, SPATULA.

Responsibility and Remuneration

SIR,—Several advertisements have appeared lately asking for a pharmacist or a dispenser holding the Apothecaries' Hall certificate. If a person holding the latter qualification is appointed he receives no more although holding the same responsible position than if he or she were acting as an assistant. I myself have been sole

dispenser in charge at a London hospital for thirty years. I have the "Hall" qualification, and dispense for about 750 patients weekly as well as for three wards of in-patients. I have, therefore, dispensed for over one million patients about two and a half million prescriptions. I prepare all sterile' solutions for intravenous use, and have used penicillin, streptomycin, and

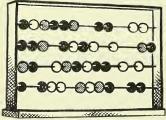
aureomycin from their introduction (well before many shop pharmacists), my salary is little more than that of a lipital porter. In other words I am c sidered good enough to have the respondity, but not good enough to draw decent salary.

Yours faithfully, VERITAS

By the Council of the Pharmaceutical Society. *
Device for keeping the flag up. (A replace armains in constant use).

By the President of the Board of Trade.

Device for cutting margins (and leaving little else).



By the Ministry of Health.

Device for rapid calculation of chemists' accounts,

(A new one is on order),



By the Isle of Man Police. Device for delivering medicines. (Now redundant),

TRADE REPORT

t quotations for pharmaceutical chemicals represent the prices for wholesale quantiof standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

Essex Street, W.C.2, Dec. 20 E heavy demand continues for a wide ge of Pharmaceuticals and Fine EMICALS and in many instances delivs cannot be made for some months. ces are still rising owing to advancing of raw materials and production. On ember 15 a sharp increase (£31 15s. ton) occurred in ZINC OXIDE rates, foling an advance in the metal, supplies which are extremely short. CALAMINE lso dearer. Prices of CREAM OF TARTAR e been marked up by 15s, per cwt.
of Tartaric acid by 20s, per cwt.
TIC acid and Lactates have also risen, ecting the higher cost of raw material the effect on production of shortage alphuric acid. There has been a fallingof activity in Crube Drugs markets, ch is not unusual at this time of the r. Following normal practice, many chants and consumers are preparing stocktaking and trade is therefore reed to a minimum. The work in many cances should be comparatively easy for s common knowledge that high prices scarcity of supplies, together with the ertainty of the market, have caused ders to carry smaller stocks. Meanwhile, markets remain firm. Portuguese En-does not appear to have touched ceil-for shippers are indicating prices as h as 70s. per lb., c.i.f., while spot sup-es, if available, are valued at 65s., com-ed with 27s. per lb. at the beginning the current year. A good demand was gived during the past week for spot ombian IPECACUANHA, though offerings ie not great.

ESSENTIAL OILS generally remain firm. feature of the market has been a furr gain in Indian Lemongrass—for Deber-January shipment, prices are 26s. lb., c.i.f., compared with 24s. a week Values of Chinese Anise and Cassia

are firmly maintained.

e not great.

S. Drug and Chemical Report New York, December 15

E chemical markets have been particuy active during the last week, and the eral tone of the market is firm. Among TE CHEMICALS showing increases, are ICYLIC ACID and SODIUM SALICYLATE, ch have been raised by 2 cents per NICOTINIC ACID and THEOBROMINE have increased in price. Podophyllin is rer, due to the increased cost of raw erials, Synthetic Phenol, U.S.P., has anced 1 cent per lb., and the increase xpected to be reflected shortly in phareutical products, in which it finds its n use, The shortage of phenol has been accentuated recently by increased demands for benzol from the synthetic rubber industry. Boric acid is to advance further to \$2.50 per ton on Jauary 1, and the increase is attributed to a sudden advance in the price of sulphur, the major raw material. Many chemicals are short, including SULPHURIC ACID and GLYCERIN, odd lots of which command premiums well above majors, prices, Spot prices of MENabove makers' prices. Spot prices of MEN-THOL are largely nominal, in view of restricted offerings; importers are reluctant to sell goods now that incoming shipments from China have been stopped. Drugs from India, including SENNA LEAVES, and RHU-BARB and GALANGAL from China, together with Spanish and Portuguese Ergor remain scarce and firm, but demand for these items is not heavy. Rumours of an early price freeze on CRUDE DRUGS, to be followed by ceiling prices, together with the rapidly changing international picture. are making buyers cautious, and prices generally have been fairly steady. New-crop yellow Carnauba wax is being offered for December-January shipment, at a price equivalent to \$1.06 landed and the market displays a decidedly strong tone. Although firm conditions prevail throughout the Essential Oils market, though trading has slackened off somewhat, and with seasonal influences at work, a further slackening of activity is possible. Prices of many oils remain at, or are near to, the highest layels of the year. Strong markets highest levels of the year. Strong markets are reported for Wormseed, Cedar Leaf and wood oils, and Peppermint and SPEARMINT oils.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 4d. for crystals and 2s. 5d. per lb. for powder. ACETARSOL.—Prices range from 40s, to 44s. per lb., as to quantity.

AMMONIUM CHLORIDE, B.P. — Steady. Makers quote 1-cwt. lots at 9½d. per lb.

Amphetamine. — Quotations for Base and Sulphate are from 72s. 6d. to 76s, per lb. d-Amphetamine is 26s. per oz.

p-Aminobenzoic acid. — Makers' prices are from 35s. to 38s. 6d. per lb. The Sodium salt is 37s. 6d. to 41s. per lb.

Atropine.—Current rates per oz. are: Alkaloid, 47s. 9d.; 4-oz., 47s. 3d.; 25-oz., 46s. 9d. Sulphate, 39s. 3d.; 4-oz., 38s. 9d.; 25-oz., 38s. 3d.; for small quantities METHYL BROMIDE is 67s. 6d. to 70s. and METHYL NITRATE, 69s. to 71s. 6d. per oz.

ETHYL NITRATE, 69s, to 11s, Carlos Barbitone.—In short supply. Rates Barbitone.—In short supply. 35s.; 28 per lb. are as follows:—1 cwt., 35s.; 28 lb., 36s.; 7 lb., 37s.; 1 lb., 38s. The Sodium salt is 1s. per lb, more than the

BENZOCAINE.—Quotations for 28-lb. lots are 40s. per lb.

BENZOIC ACID. — B.P. quality is quoted from 2s, 4d, to 3s, 2d, per lb.; the SODIUM SALT is from 2s, 2d, to 3s, per lb.

BENZYL BENZGATE. — Makers offer B.P. grade at from 4s. 3d. to 5s. per lb.

BETANAPHTHOL.—1-cwt. lots are quoted at 2s. 4d. per cwt.

BUTOBARBITONE. — Makers' prices for small quantities are from 73s. per lb.

BUTYL CHLORAL HYDRATE.—Spot prices are from 22s. 6d. to 25s. per lb., as to quantity.

Calamine. — Dearer. Pharmaceutical quality is now 2s. 7d. per lb. in 1-cwt. lots.

CITRIC ACID.—Supplies continue short. Quantities of 5-cwt., and over, are quoted at 1s. 7d., and 1-cwt. lots, 1s. $7\frac{1}{2}$ d. per lb., less 5 per cent.

CREAM OF TARTAR.—Prices rose on December 14. New home-trade rates per cwt. are as follows: 10-cwt. lots, 192s.; 5-9 cwt., 193s.; 2-4 cwt., 194s.; 1 cwt., 195s., delivered.

GLYCEROPHOSPHATES.—Rates per lb. for 28-lb. lots are as follows: ACID, 20 per cent., B.P.C., 8s. 1d.; CALCIUM, soluble, B.P.C., 12s. 9d.; IRON, B.P.C., powder, 15s. 6d.; Magnesium, soluble, B.P.C., 19s. 9d., and insoluble, 10s. 6d.; Manganese, 25s.; Potassium, 50 per cent., 5s. 7d. and 75 per cent., 7s. 10d.; SODIUM, 50 per cent., 4s. 3d., and 75 per cent., 5s. 10d.

Iodine Preparations. — Home - trade prices are as follows:—Resublimed Iodines; 18.P.—1-cwt. lots, 18s. (28-lb. containers); 18s. 1d. (14-lb.); 18s. 1½d. (7-lb.); 18s. 2½d. (4-lb.); 18s. 3d. (2-lb.); 18s. 4d. per lb. (1-lb.); smaller quantities are scheduled up to 22s. 2½d. per lb. Potassium iodide, B.P. — 1-cwt. lots, 15s. 5d. (28-lb. containers); 15s. 6d. (14-lb.); 15s. 6½d. (7-lb.); 15s. 7½d. (4-lb.); 15s. 8d. (2-lb.); 15s. 9d. (1-lb.); smaller quantities, up to 18s. 11½d. per lb. Sonium iodide, B.P. — 1-cwt. lots, 16s. 9d. (28-lb. containers); 16s. 10d. (14-lb.); 17s. (2-lb.); 17s. 1d. (1-lb.); smaller quantities, up to 18s. 11½d. (4-lb.); 17s. (2-lb.); 17s. 1d. (1-lb.); smaller quantities, up to 21s. 10½d. per lb. Iodoform powder, B.P.—1-cwt. lots, 21s. (28-lb. containers); 21s. 1d. (14-lb.); 21s. 1½d. (7-lb.); 21s. 2½d. (4-lb.); 21s. 3d. (2-lb.); 21s. 4d. (1-lb.); smaller quantities up to 25s. 10½d. per lb. Iodoform crystal is 2s. per lb. more than powder. Containers charged, excepting 28-lb. tins which are free. Special rebate of fourpence per lb. allowed for quantities of 5 cwt., in one delivery or on contract (three months). Carriage paid in Great Britain, Northern Ireland and Eire (duty for buyer's account)

Lactates.—Dearer. Calcium, B.P. is now 2s, 5½d. per lb, in 1-cwt, lots; 28-lb.,

2s. 9½d. per lb. Calcium sodium, B.P., the same quantities is 3s. 9d. and 4s. per lb. Lactic acid, B.P., is 3s. 8d. lb. in 1-carboy lots and from 3s. 9½d. 4s. 1d. per lb. in winchesters.

Magnesium carbonate.—Prices curr in the home market for Light, B.P., bulk, are: Not less than 1-cwt., 105 5-cwt., 104s.; 10-cwt., 103s. per c Heavy, B.P., in 28-lb. containers is q ted at 143s. per cwt. for 1-cwt. lots; 5-cv 134s.; 10-cwt., 133s.

METHYL SALICYLATE.—Current rates as follows: Winchesters, 2s. 8½d. per l 56-lb. lots in demijohns, 2s. 7d.; 1-cv in demijohns or carboys, 2s. 6½d.; 5-cv 2s. 6d. net.

Tartaric acid.—A further increase announced on December 14. Home-trates per cwt. are as follows: 10-cwt. l 220s.; 5-9 cwt., 222s.; 2-4 cwt., 223 1-cwt., 210s., delivered.

Terpin hydrate. — Dearer. Prices from 7s. 6d. to 8s. per lb., as to quant Terpineol.—Prices of B.P. grade

from 4s. to 4s. 6d. per lb., as to quant ZINC OXIDE.—Dearer. On December prices of all grades increased by £31 per ton. Pharmaceutical, B.P., is now £

per ton, in minimum 2-ton lots. Supp are very scarce. Crude Drugs

Aloes. — Firm. Cape on the spot about 202s. 6d. per lb.; for shipme 200s., c.i.f., nominal. Curação is offe at 235s, per cwt.

Balsams.—Canada is 23s. per lb., on spot; for shipment, 21s. per lb., c.i.f., minal. Copaiba, B.P., soluble, on spot of tinues scarce and is about 9s. 6d. per in bond. San Salvador Peru is nominal 9s. 9d., in bond. Tolu for January-Febru shipment is 24s. 6d., e.i.f. B.P. on spot is valued at about 22s. per lb.

Benzoin. — Sumatra benzoin block scarce on the spot with business done to £27 10s. per cwt.; for shipment, £23 1 to £24, c.i.f., nominal. Siam almonds the spot are about 31s. 6d. to 32s. per lb.

CAMPHOR. — Chinese refined pow (B.P.) is from 4s. 4d. to 4s. 6d. per duty paid: December-January shipme 4s. 2d., c.i.f., nominal. B.B. grade 3s. 10d. to 4s. per lb., in bond; Deceml January shipment, 3s. 10d., c.i.f., minal. \(\frac{1}{4}\)-oz. tablets, quoted at 5s. 6d., d paid; for shipment, 4s. 9d., c.i.f. 2\(\frac{1}{2}\)slabs, 4s. 9d., duty paid; for shipme 4s. 6d., c.i.f.

Cascara sagrada.—1950 peel is quo at from 345s, to 350s, per cwt., duty p (in bond, 315s, per cwt.); for shipmed 320s., c.i.f. 1949 is valued at 360s., d paid, spot.

INGER.—African is quiet at 315s. per , spot. Jamaican No. 1, 535s. per cwt., t; No. 3, January-March shipment, s., c.i.f., indicated. Reports from Sierra ne indicate good new-crop prospects.

recacuanha.—Firm and scarce. Colomi, 43s. to 44s. per lb., spot; for Decem-January shipment, 39s. 6d., c.i.f. Nicuan, 44s. 6d. to 45s., spot, nominal; prompt shipment, 42s. 6d., c.i.f.; Janu-February, 40s., c.i.f. Minas is offered 5s. per lb., spot.

IENTHOL.—Chinese on the spot is quoat from 102s. 6d. to 104s. per lb., duty l (in bond, 97s. 6d.). Afloat, 88s. to , c.i.f. For December-January shipment n Shanghai, nominal, and from Hong ng, 86s. 6d., c.i.f.

IERCURY.—Spot quotations for Spanish al are from £37 10s. to £38 per flask, warehouse. A firm market.

PRANGE PEEL.—Spanish bitter quarters offered at 1s. 9d. and sweet ribbon at per lb., both duty paid, ex wharf Lon. West Indian bitter quarters in Lonare 1s. 4½d. per lb.

MENTO. — Spot quotations are from 84d, per lb.; for shipment, 195s, per ., c.i.f.

per cwt.; for shipment, 29s. 6d., c.i.f. UASSIA. — Quiet. HUBARB. — In steady demand. Sound nese rough round is available at from 6d. to 8s. 6d. per lb., duty paid, as to

ARSAPARILLA.—Steady. Jamaican native on spot is 2s. 6d. per lb.; for shipment,

5d., c.i.f.

EEDS. — Turkish Anise is quoted at s. 6d. per cwt., in bond, and 160s. cwt., duty paid, spot London. Cyprus 75s. per cwt., spot Liverpool. CARAWAY. Dutch firm and unchanged at 195s, per , duty paid, spot London, Celery.—lers of Indian on spot London at 10½d, per lb. Corlander. — Market rer for shipment, Morocco is now quoonly at 150s, per cwt., c.i.f., London, t Morocco is offered at 157s, 6d, per , in bond, and 172s, 6d, per cwt., duty i, both ex wharf London. CUMIN.—rket firm. Spot Cyprus has been sold 205s, per cwt., and Indian at 200s, per For shipment, Morocco is now offered 240s, per cwt.; Cyprus, 190s and ian at 180s, per cwt., all c.i.f. DILL—ian is unchanged at 80s, per cwt., spot idon, Fennel.—Indian slow of sale at s. per cwt., spot London. Mid-Euron is offered at 85s. per cwt., in bond r export only). FENUGREEK.—Morocco re export omy). FENUGREER.—Moroccorer for shipment, 41s. per cwt., c.i.f., idon, now quoted. Morocco, now afloat London is offered at 50s. per cwt., ded, duty paid (49s. 6d. per cwt., duty d quoted ex store Liverpool).

ENEGA.—Spot quotations are at 18s. 6d. 18s. 9d. per lb.; for shipment, 18s., c.i.f. SENNA.—Tinnevelly leaves, f.a.q., No. 1, 1s. 4d.; No. 2, 1s. 2½d.; No. 3, 1s. 1½d., spot, nominal. Tinnevelly hand-picked pods are from 2s. to 2s. 3d., spot. Alexandrian pods, 1s. 6d. per lb., nominal, spot; Alexandrian broken leaves are nominally at from 9½d. to 10½d. per lb. and siftings at from $8\frac{1}{2}$ d. to $9\frac{1}{2}$ d.

SHELLAC.—Firmer. F.O.T.N., pure, is 347s, 6d.; F.O. Standard No. 1, 357s, 6d.; and fine orange, from 370s. to 430s. per cwt., spot London.

STYRAX.—Firm. Spot is quoted at 7s. 6d. per lb., duty paid (6s. 9d. per lb. in bond).

Tragacanth.—White ribbon, selected, is quoted at £150 per cwt.; No. 1, £145; No. 2, £130; No. 3, £115, spot.

TURMERIC.—Madras finger on the spot is 105s. per cwt.; for shipment, 102s. 6d. per cwt., c.i.f.

VALERIAN.—Belgian on the spot is quoted at 185s, per cwt., spot. Indian is available at 150s. per cwt., spot.

WITCH HAZEL BARK.—Steady. Spot supplies are offering at 3s. 9d. per lb., duty paid.

Essential and Expressed Oils

Anise. - Firm. Spot is nominally 10s. 9d. per lb.; for shipment, 11s. 3d.,

CAMPHOR.—White oil on the spot is quoted at 2s. 6d. per lb., duty paid (for shipment, 1s. 10½d., c.i.f.); brown oil, from 1s. 6d. per lb., duty paid (for shipment, 1s. 10½ c.i.f.) 1s. $10\frac{1}{2}$ d., c.i.f.).

Cassia.—Firm. Spot is nominal at 26s. per lb.; December-January shipment, 23s.

per lb., c.i.f.

CINNAMON.—B.P. oil on the spot is quoted at from 52s. 6d. to 100s, per lb. English bark oil is offered at 22s. 6d. per oz. Seychelles leaf oil is from 8s. 6d. to 9s. 6d. per lb., spot; for shipment, 9s., c.i.f. Ceylon leaf (B.P.), 10s. per lb., spot.

CITRONELLA. — Firm. Ceylon is from 12s. per lb., on the spot; December-January, 12s., c.i.f. Java for shipment, 17s. 6d.,

Lemon.—Quotations for new-crop Sicilian hand-pressed (4 per cent. citral) are in the region of 36s. to 37s. per lb., c.i.f.

Lemongrass.—Firmer. Spot supplies are quoted at about 26s. per lb.; December-January, 26s., c.i.f.

Peppermint.—Quiet. Chinese in drums, 32s. to 33s. per lb., spot; affoat, 29s. 6d.; for December - January shipment from Shanghai, 28s., c.i.f. Brazilian is 35s, per lb., spot. *Piperita* is steady at from 60s. to 62s. per lb., spot.

SANDALWOOD. — Mysore oil on spot is from 75s. to 80s. per lb. East Indian, Dutch-distilled (95 per cent. santalol), 95s. to 97s. 6d. per lb., duty paid. West Indian is available at 19s. 6d. per lb., spot. English-distilled, 85s. per lb.

TRADE MARKS

(From the "Trade Marks Journal," November 22)
For pharmaceutical preparations for the treatment of respiratory ailments (5). — "CORIGIDIN"; by Schering Corporation, New Jersey; 685,705.

For chemical, scientific and optical apparatus and instruments (9).—"TECHNIQUIP"; by Mc. & B. Heat Control, Ltd., Epping; 688,501.

For photographic apparatus (9).—"KODETTE"; by Kodak, Ltd., London, W.C.2; 690,594.

(From "The Trade Marks Journal," November 29)

For non-medicated toilet preparations (3). — "THOSE YESTERDAYS"; by French & Scott, Ltd., London, W.1; 674,817. "Grac"; by Eugenia De Roy, London, W.14; 675,380. "LINX"; by Ashe Laboratories, Ltd., London, S.W.1; 690,606. "Mariquita Perez, Sociedad Anonima, Madrid; 690,839.

For perfumes and toilet rouge (3).—" CALIFORNIAN POPPY"; by J. & E. Atkinson, Ltd., London, W.1; 677,613.

For all goods (3).—Circular device with numerals 18 63; by Farbwerke Hoechst Vormals Meister Lucius & Bruning, Frankfurt am Main; 680,359. "Evode" in distinctive lettering; by Evode, Ltd., Stafford; 690,723.

For detergents (3).—"Delv" on label device; by Lifeguard Products, Ltd., London, E.C.4; 689,699.

For non-medicated toilet preparations and detergents (4).—"SUNSILK"; by Lever Brothers, Port Sunlight, Ltd., Port Sunlight; 690,872.

For toilet soap (3).—Device of T. R. & S.; by Thomas Reid & Sons, Ltd., Glasgow; 690,873.

For pharmaceutical preparations (5). — "Soliber"; by Potter & Clarke, Ltd., London, E.1; 687,135. "Kenader"; by Phillips Yeast Products, Ltd., London, N.W.10; 687,579. "Morphylan"; by Ana Laboratories, Ltd., Alperton; 687,596. "Bactysan"; by Les Laboratoires Français de Chimiotherapie Société Anonyme, Paris; 688,223. "Rheumatosyl"; by Laboratoires Buatois, Lyon; 689,059. "Trinamide"; by May & Baker, Ltd., Dagenhum; 689,854.

(From "The Trade Marks Journal," November 29)

For all goods (5) — "BEROLASE"; by Roche Products, Ltd., Welwyn Garden City; 690,342. "CETAVLEX" "TUMAVOLON" "AVLOKON" "AVLUKEM"; by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1; 690,855-691,102-04. Circular device of 1863; by Farbwerke Hoechst Vormals Meister Lucius & Bruning, Frankfurt; 680,360-61.

For medicated liqueurs containing quinine and derivatives of iron (5).—" BISLERI" on label device; by S. A. Felice Bisleri & C., Milan; B673,263.

For medicines for treatment of stomach ailments (5).—"Gastroseda"; by Duncan, Flockhart & Co., Ltd., Edinburgh; 684,713.

For cigarettes for stopping the habit of smoking (5).—"APAL"; by Health Culture Association, London, W.C.1; 688,348.

WILLS

MR. MICHAEL LEAHY, M.P.S.I., Grot Place, Kilfinane, Eire, left £239.

MR. W. SEATON, M.P.S., Market Stree Bingham, Notts, left £2,477 (£1,721 ne

Mr. J. H. Gowans, M.P.S. M.P.S.N.I., 263 Antrim Road, Belfast, le £16,030.

MR. J. B. ROBERTS, M.P.S., 151 Sco Lane, Wavertree, Liverpool, left £1,00 (£950 net).

MR. A. G. TURNER, M.P.S., 16 Du heved Close, Thornton Heath, Surrey, le £3,127 (£2,642 net).

MR. M. GLUSS, M.P.S., 29 Fitzjoh Avenue, Hampstead, London, N.W.3, le £11,892 (£11,835 net).

Mr. F. L. Oglesby, M.P.S., The Whi House, Mousehole, Penzance, Cornwa left £3,209 (£3,040 net).

MR. H. F. DAVIES, M.P.S., 14 Parridge Road, and 14 Broadway, Roath, Cadiff, left £6,464 (£5,494 net).

MR. M. POHORILLE, M.P.S., Lee Pa Lodge, Blackheath, and 8 Lee Green Roa London, S.E.3, left £253.

MR. J. H. SHACKLOCK, M.P.S., Epperstone Koad, West Bridgford, Not left £2,884 (£2,846 net).

MR. G. H. YOUNG, M.P.S., 20 Lansd Avenue, Lea, Gainsborough, Lincs, le £1,015 (£949 net).

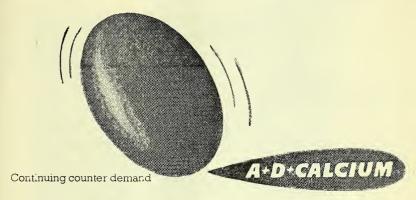
MR. FRANK STEPHENS, Penhallow Cotage, Treworthal Philleigh, Cornwa formerly chairman of Elliman Sons & CLtd., embrocation manufacturers, Sloug Bucks, left £17,441, (£17,325 net).

MR. J. E. GWILLIAM, M.P.S., Glynwoc Ridgeborne Road, Shrewsbury, Salop, le £28,562 (£28,492 net). He left a beque to the Benevolent Fund of the Pharmacol tical Society.

MR. G. W. HATFIELD, retired pharm macist, The Cottage, Weavers Hill, W borough Green, Sussex, formerly propriet of Hatfield & Son, 817 Commercial Roz Limehouse, London, E.14, left £4,2 (£3,930 net).

DR. JOHN SHIEL, M.P.S.I., L.R.C.P. L.R.C.S.I., barrister-at-law, Governor the Apothecaries' Hall of Ireland and leturer in materia medica, therapeutics at toxicology to the Technical Institu Dublin, left £1,518,

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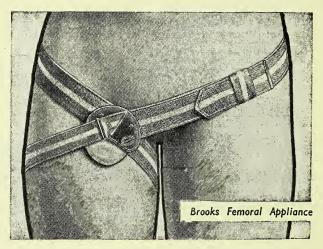
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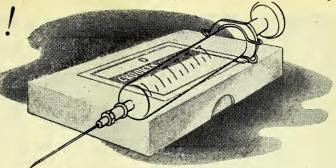
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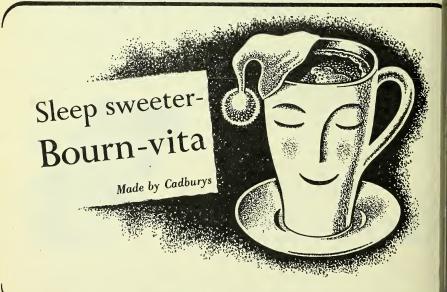
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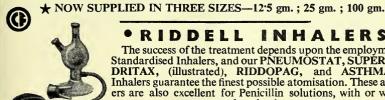
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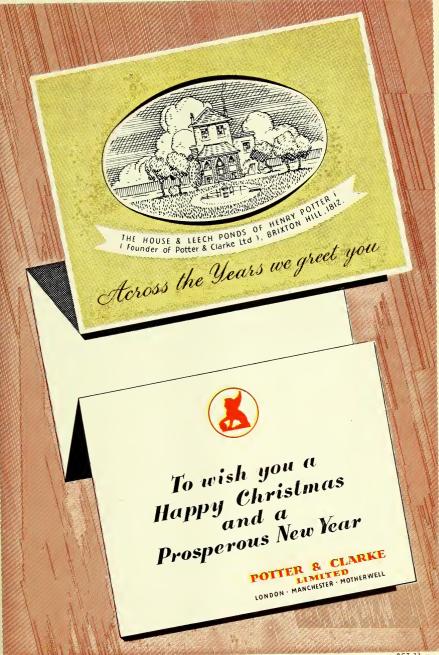
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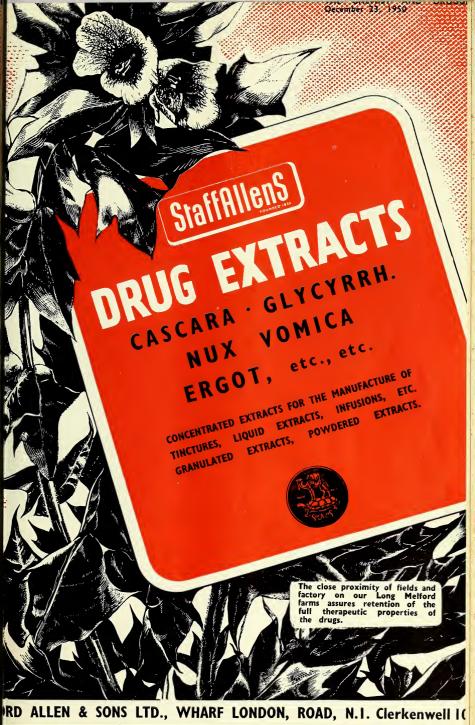
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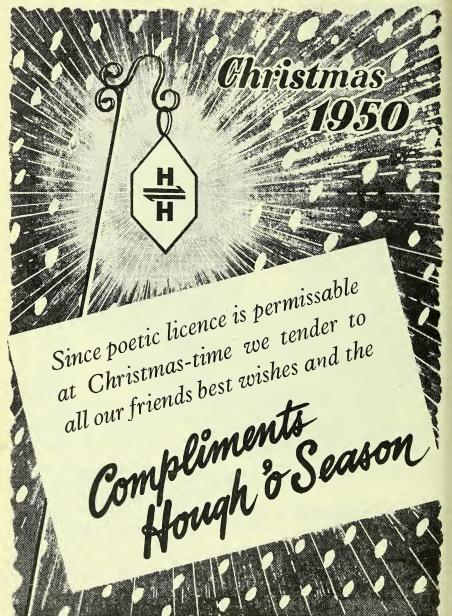
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Now, however, a further increase in the rice of Horlicks is inevitable. Accordingly, om **December 18th 1950**, the adjustments nown below will be made:

We emphasize that we have postponed this step for as long as possible. Even now, with the present increase, Horlicks prices are only 28% above pre-war levels, far less than the increase in food prices generally.

We are sure that all sections of the trade will understand the reasons behind our decision, and will help to explain those reasons to the public.

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PRICES AND INCOME TRENDS 1938-1950 (Horlicks compared with other goods)

	INCOME INDICES—1938	INCOME INDICES—1950
All classes	100	198
Manual Industrial Workers' earnings	100	234
PRODUCT	PRICE INDICES-1938	PRICE INDICES
		Average for 1949
Meat and Bacon	100	153
Bread and Cereals	100	187
Sugar, Preserves and Confectionery	100	202
Fruit	100	175
Potatoes and Vegetables	100	197
		November 1950
Cocoa	100	132
Milk	100	140
Average of chief Milk Food-Drinks	100	142
Horlicks	100	115
		128 (from Dec. 18, 1950)

HORLICKS HAS GONE UP LEAST OF ALL!

Based on: National Income and Expenditure of the United Kingdom (H.M.S.O.), CMD 7933 and CMD 7649, the Ministry of Labour Gazette, and Trade Lists.

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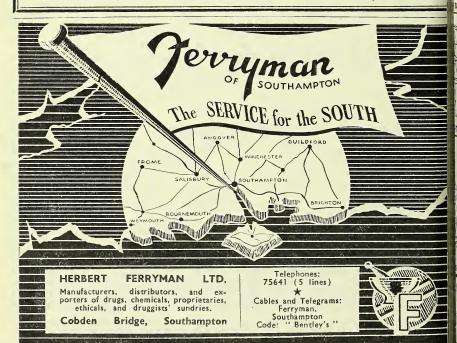
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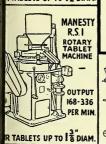


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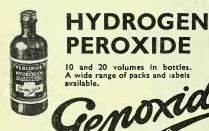
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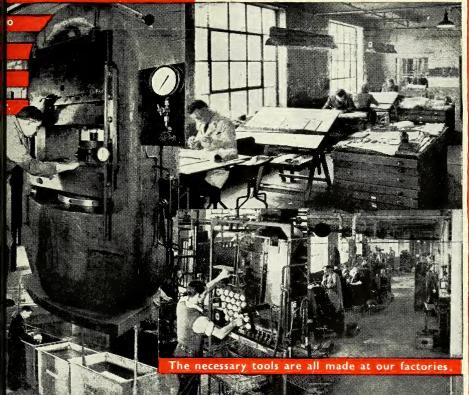


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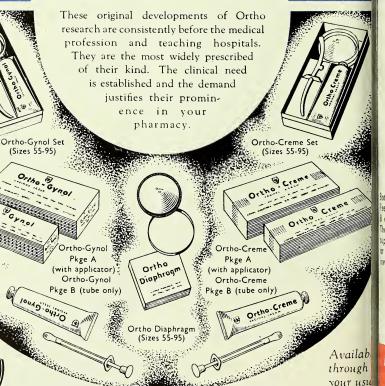
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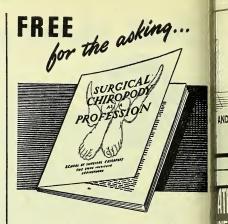
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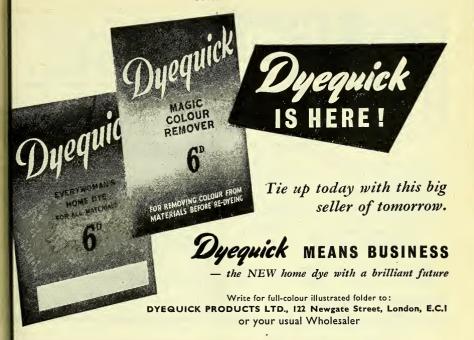
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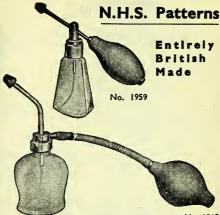
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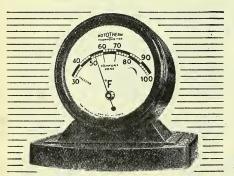
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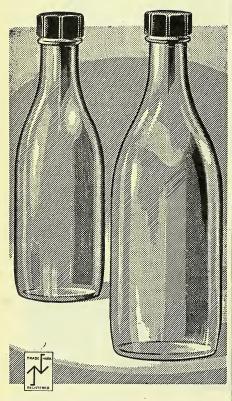
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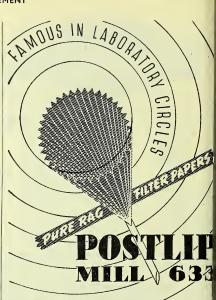
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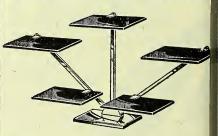
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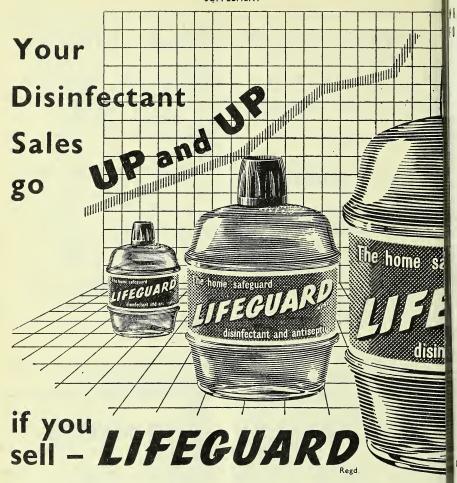
"Crill" Surface Acting Agents

"Isocreme" Absorption Base Clyceryl Monostearate "Cremba" Absorption Base "Kathro" Cholesterol

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